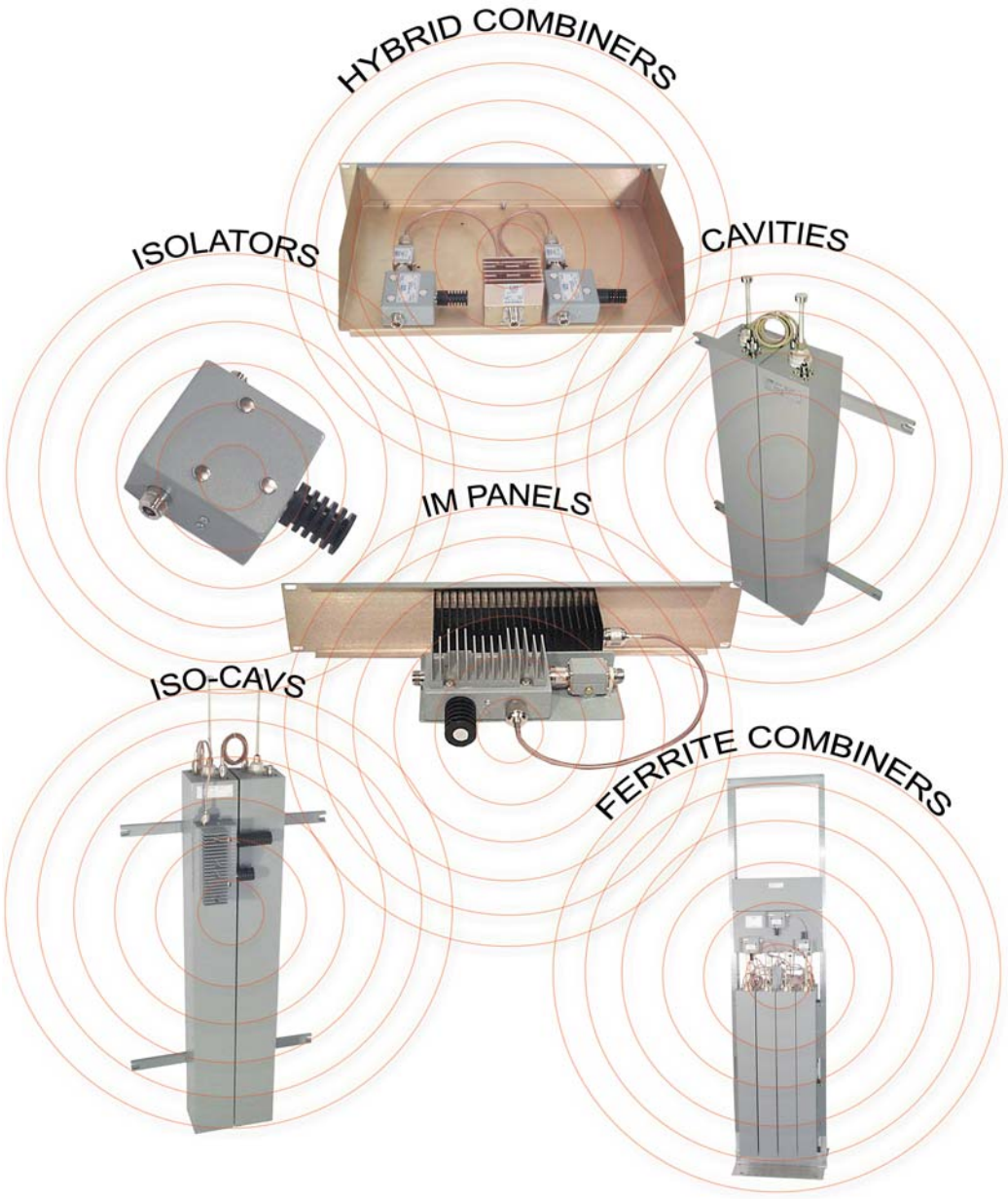
SHORT FORM SPECIFICATION CATALOG AND PRODUCT PRICING

APRIL 2011



22402 N. 19th Avenue Phoenix, Arizona 85027
Tel: (623) 581-2875 Fax: (623) 582-9499 Toll: 800-796-2875
Web: emrcorp.com e-mail: info@emrcorp.com

TABLE OF CONTENTS

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

CIRCULATOR and ISOLATOR APPLICATION NOTES:

- Frequency Band is not a measure of the fixed or tunable bandwidth of the isolator. For details on fixed and tunable bandwidths consult the applicable specification sheets or contact the factory.
- Circulated power is the same as forward handling power.
- To insure stated specifications, loads are dynamically matched to circulators during manufacture. Isolation and insertion loss specifications are guaranteed only with EMR supplied loads.
- Models with load terminations of 125 watts or higher include matched cable to load and circulator to load termination mounting bracket.
- Higher power models are available: please contact the factory with your requirements.
- Connectors other than N female are available: please contact the factory.
- Models with an “H” after the slash (/) include additional heat sinking.
- Models with an “F” after the slash include a thermally activated 115 VAC forced air cooling fan for applications exceding a 50% duty cycle (1 minute on 1 minute off). Fans using other than 115 VAC are available.
- Isolator models with a “/1S” suffix contain a built-in 2nd harmonic filter.
- Isolators and circulators are manufactured for specific frequencies within the listed frequency ranges. Circulators and isolators are manufactured across the spectrum from 66 MHz to 2.5 GHz for a variety of domestic and international applications. Please contact the factory for more detailed specifications and special requirements.

VHF CIRCULATORS AND ISOLATORS

Model Number	Frequency Band (MHz)	Product Description	Power Input	Power Refl.	Insertion Loss	Isolation	Connectors	Unit Price
7340/0	66-88	Circulator, 50 watts	50 W	-	0.50 dB	35+ dB	N Female	640.00
7340/2	66-88	Single Isolator, 15 watt load	30 W	15 W	0.50 dB	35+ dB	N Female	690.00
7340/3	66-88	Single Isolator, 30 watt load	50 W	30 W	0.50 dB	35+ dB	N Female	715.00
7340/4	66-88	Single Isolator, 60 watt load	50 W	50 W	0.50 dB	35+ dB	N Female	745.00
7350/0H	66-88	Circulator, 100 watts	100 W	-	0.50 dB	35+ dB	N Female	900.00
7350/4H	66-88	Single Isolator, 60 watt load	100 W	60 W	0.50 dB	35+ dB	N Female	1,005.00
7350/4AH	66-88	Single Isolator, 75 watt load	100 W	75 W	0.50 dB	35+ dB	N Female	1,020.00
7350/5H	66-88	Single Isolator, 125 watt load	100 W	100 W	0.50 dB	35+ dB	N Female	1,230.00
7350/5HF	66-88	Single Isolator, 125 watt load	150 W	125 W	0.50 dB	35+ dB	N Female	1,475.00
7350/5AHF	66-88	Single Isolator, 150 watt load	150 W	150 W	0.50 dB	35+ dB	N Female	1,545.00
8340/00	66-88	Circulator, 50 watts	50 W	-	0.75 dB	70+ dB	N Female	970.00
8340/22	66-88	Dual Isolator, 15/15 watt load	30 W	15 W	0.75 dB	70+ dB	N Female	1,085.00
8340/23	66-88	Dual Isolator, 15/30 watt load	50 W	30 W	0.75 dB	70+ dB	N Female	1,100.00
8340/34	66-88	Dual Isolator, 30/60 watt load	50 W	50 W	0.75 dB	70+ dB	N Female	1,145.00
8350/00H	66-88	Circulator, 100 watts	100 W	-	0.75 dB	70+ dB	N Female	1,380.00
8350/34H	66-88	Dual Isolator, 30/60 watt load	100 W	60 W	0.75 dB	70+ dB	N Female	1,560.00
8350/34AH	66-88	Dual Isolator, 30/75 watt load	100 W	75 W	0.75 dB	70+ dB	N Female	1,575.00
8350/35H	66-88	Dual Isolator, 30/125 watt load	100 W	100 W	0.75 dB	70+ dB	N Female	1,795.00
8350/45H	66-88	Dual Isolator, 60/125 watt load	100 W	100 W	0.75 dB	70+ dB	N Female	1,825.00
8350/35HF	66-88	Dual Isolator, 30/125 watt load	150 W	125 W	0.75 dB	70+ dB	N Female	2,035.00
8350/45HF	66-88	Dual Isolator, 60/125 watt load	150 W	125 W	0.75 dB	70+ dB	N Female	2,065.00
8350/35AHF	66-88	Dual Isolator, 30/150 watt load	150 W	150 W	0.75 dB	70+ dB	N Female	2,100.00
8350/45AHF	66-88	Dual Isolator, 60/150 watt load	150 W	150 W	0.75 dB	70+ dB	N Female	2,130.00
**********	88-108	**********	PLEASE CONTACT THE FACTORY					**********
**********	108-118	**********	PLEASE CONTACT THE FACTORY					**********

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

CIRCULATOR and ISOLATOR APPLICATION NOTES:

- Please refer to application notes concerning Circulators and Isolators on page 3.

VHF CIRCULATORS AND ISOLATORS

Model Number	Frequency Band (MHz)	Product Description	Power Input	Power Refl.	Insertion Loss	Isolation	Connectors	Unit Price
**********	118-138	**********	PLEASE CONTACT THE FACTORY				**********	
**********	138-150	**********	PLEASE CONTACT THE FACTORY				**********	
7430/1S	150-225	Single Isolator, 10 watt load	20 W	10 W	0.40 dB	35+ dB	N Female	535.00
7440/0	150-225	Circulator, 50 watts	50 W	-	0.30 dB	35+ dB	N Female	525.00
7440/2	150-225	Single Isolator, 15 watt load	30 W	15 W	0.30 dB	35+ dB	N Female	575.00
7440/3	150-225	Single Isolator, 30 watt load	50 W	30 W	0.30 dB	35+ dB	N Female	600.00
7440/4	150-225	Single Isolator, 60 watt load	50 W	50 W	0.30 dB	35+ dB	N Female	630.00
7450/0	150-225	Circulator, 125 watts	125 W	-	0.30 dB	35+ dB	N Female	565.00
7450/4	150-225	Single Isolator, 60 watt load	125 W	60 W	0.30 dB	35+ dB	N Female	670.00
7450/4A	150-225	Single Isolator, 75 watt load	125 W	75 W	0.30 dB	35+ dB	N Female	685.00
7450/5	150-225	Single Isolator, 125 watt load	125 W	125 W	0.30 dB	35+ dB	N Female	905.00
7450/0H	150-225	Circulator, 150 watts	150 W	-	0.30 dB	35+ dB	N Female	640.00
7450/4AH	150-225	Single Isolator, 75 watt load	150 W	75 W	0.30 dB	35+ dB	N Female	760.00
7450/5AH	150-225	Single Isolator, 150 watt load	150 W	150 W	0.30 dB	35+ dB	N Female	1,045.00
7460/0	150-225	Circulator, 200 watts	200 W	-	0.30 dB	35+ dB	N Female	900.00
7460/5	150-225	Single Isolator, 125 watt load	200 W	125 W	0.30 dB	35+ dB	N Female	1,230.00
7460/6	150-225	Single Isolator, 250 watt load	200 W	200 W	0.30 dB	35+ dB	N Female	1,405.00
7460/0H	150-225	Circulator, 250 watts	250 W	-	0.30 dB	35+ dB	N Female	980.00
7460/5H	150-225	Single Isolator, 125 watt load	250 W	125 W	0.30 dB	35+ dB	N Female	1,315.00
7460/6H	150-225	Single Isolator, 250 watt load	250 W	250 W	0.30 dB	35+ dB	N Female	1,485.00
7460/5HF	150-225	Single Isolator, 125 watt load	250 W	125 W	0.30 dB	35+ dB	N Female	1,555.00
7460/6HF	150-225	Single Isolator, 250 watt load	250 W	250 W	0.30 dB	35+ dB	N Female	1,720.00
8440/00	150-225	Dual Circulator, 50 watts	50 W	-	0.45 dB	70+ dB	N Female	825.00
8440/22	150-225	Dual Isolator, 15/15 watt load	30 W	15 W	0.45 dB	70+ dB	N Female	935.00
8440/23	150-225	Dual Isolator, 15/30 watt load	50 W	30 W	0.45 dB	70+ dB	N Female	955.00
8440/34	150-225	Dual Isolator, 30/60 watt load	50 W	50 W	0.45 dB	70+ dB	N Female	1,000.00
8450/00	150-225	Dual Circulator, 125 watts	125 W	-	0.45 dB	70+ dB	N Female	885.00
8450/34	150-225	Dual Isolator, 30/60 watt load	125 W	60 W	0.45 dB	70+ dB	N Female	1,065.00
8450/34A	150-225	Dual Isolator, 30/75 watt load	125 W	75 W	0.45 dB	70+ dB	N Female	1,085.00
8450/35	150-225	Dual Isolator, 30/125 watt load	125 W	125 W	0.45 dB	70+ dB	N Female	1,300.00
8450/45	150-225	Dual Isolator, 60/125 watt load	125 W	125 W	0.45 dB	70+ dB	N Female	1,330.00
8450/00H	150-225	Dual Circulator, 150 watts	150 W	-	0.45 dB	70+ dB	N Female	960.00
8450/34AH	150-225	Dual Isolator, 30/75 watt load	150 W	75 W	0.45 dB	70+ dB	N Female	1,160.00
8450/35AH	150-225	Dual Isolator, 30/150 watt load	150 W	150 W	0.45 dB	70+ dB	N Female	1,445.00
8450/45AH	150-225	Dual Isolator, 60/150 watt load	150 W	150 W	0.45 dB	70+ dB	N Female	1,475.00
8460/00	150-225	Dual Circulator, 200 watts	200 W	-	0.45 dB	70+ dB	N Female	1,530.00
8460/45	150-225	Dual Isolator, 60/125 watt load	200 W	125 W	0.45 dB	70+ dB	N Female	1,975.00
8460/46	150-225	Dual Isolator, 60/250 watt load	200 W	200 W	0.45 dB	70+ dB	N Female	2,145.00
8460/00H	150-225	Dual Circulator, 250 watts	250 W	-	0.45 dB	70+ dB	N Female	1,630.00
8460/45H	150-225	Dual Isolator, 60/125 watt load	250 W	125 W	0.45 dB	70+ dB	N Female	2,070.00
8460/46H	150-225	Dual Isolator, 60/250 watt load	250 W	250 W	0.45 dB	70+ dB	N Female	2,245.00
8460/45HF	150-225	Dual Isolator, 60/125 watt load	250 W	125 W	0.45 dB	70+ dB	N Female	2,315.00
8460/46HF	150-225	Dual Isolator, 60/250 watt load	250 W	250 W	0.45 dB	70+ dB	N Female	2,480.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

CIRCULATOR and ISOLATOR APPLICATION NOTES:

- Please refer to application notes concerning Circulators and Isolators on page 3.

UHF CIRCULATORS AND ISOLATORS

Model Number	Frequency Band (MHz)	Product Description	Power Input	Power Refl.	Insertion Loss	Isolation	Connectors	Unit Price
7530/1S	300-650	Single Isolator, 10 watt load	20 W	10 W	0.25 dB	35+ dB	N Female	470.00
7540/0	300-650	Circulator, 50 watts	50 W	-	0.25 dB	35+ dB	N Female	500.00
7540/2	300-650	Single Isolator, 15 watt load	30 W	15 W	0.25 dB	35+ dB	N Female	555.00
7540/3	300-650	Single Isolator, 30 watt load	50 W	30 W	0.25 dB	35+ dB	N Female	570.00
7540/4	300-650	Single Isolator, 60 watt load	50 W	50 W	0.25 dB	35+ dB	N Female	605.00
7550/0	300-650	Circulator, 125 watts	125 W	-	0.25 dB	35+ dB	N Female	525.00
7550/4	300-650	Single Isolator, 60 watt load	125 W	60 W	0.25 dB	35+ dB	N Female	630.00
7550/4A	300-650	Single Isolator, 75 watt load	125 W	75 W	0.25 dB	35+ dB	N Female	645.00
7550/5	300-650	Single Isolator, 125 watt load	125 W	125 W	0.25 dB	35+ dB	N Female	845.00
7550/0H	300-650	Circulator, 150 watts	150 W	-	0.25 dB	35+ dB	N Female	590.00
7550/4AH	300-650	Single Isolator, 75 watt load	150 W	75 W	0.25 dB	35+ dB	N Female	710.00
7550/5AH	300-650	Single Isolator, 150 watt load	150 W	150 W	0.25 dB	35+ dB	N Female	980.00
7560/0	300-650	Circulator, 200 watts	200 W	-	0.25 dB	35+ dB	N Female	900.00
7560/5	300-650	Single Isolator, 125 watt load	200 W	125 W	0.25 dB	35+ dB	N Female	1,230.00
7560/6	300-650	Single Isolator, 250 watt load	200 W	200 W	0.25 dB	35+ dB	N Female	1,405.00
7560/0H	300-650	Circulator, 250 watts	250 W	-	0.25 dB	35+ dB	N Female	980.00
7560/5H	300-650	Single Isolator, 125 watt load	250 W	125 W	0.25 dB	35+ dB	N Female	1,315.00
7560/6H	300-650	Single Isolator, 250 watt load	250 W	250 W	0.25 dB	35+ dB	N Female	1,485.00
7560/5HF	300-650	Single Isolator, 125 watt load	250 W	125 W	0.25 dB	35+ dB	N Female	1,555.00
7560/6HF	300-650	Single Isolator, 250 watt load	250 W	250 W	0.25 dB	35+ dB	N Female	1,720.00
8540/00	300-650	Dual Circulator, 50 watts	50 W	-	0.45 dB	70+ dB	N Female	835.00
8540/22	300-650	Dual Isolator, 15/15 watt load	30 W	15 W	0.45 dB	70+ dB	N Female	950.00
8540/23	300-650	Dual Isolator, 15/30 watt load	50 W	30 W	0.45 dB	70+ dB	N Female	970.00
8540/34	300-650	Dual Isolator, 30/60 watt load	50 W	50 W	0.45 dB	70+ dB	N Female	1,015.00
8550/00	300-650	Dual Circulator, 125 watts	125 W	-	0.45 dB	70+ dB	N Female	885.00
8550/34	300-650	Dual Isolator, 30/60 watt load	125 W	60 W	0.45 dB	70+ dB	N Female	1,065.00
8550/34A	300-650	Dual Isolator, 30/75 watt load	125 W	75 W	0.45 dB	70+ dB	N Female	1,085.00
8550/35	300-650	Dual Isolator, 30/125 watt load	125 W	125 W	0.45 dB	70+ dB	N Female	1,300.00
8550/45	300-650	Dual Isolator, 60/125 watt load	125 W	125 W	0.45 dB	70+ dB	N Female	1,330.00
8550/00H	300-650	Dual Circulator, 150 watts	150 W	-	0.45 dB	70+ dB	N Female	960.00
8550/34AH	300-650	Dual Isolator, 30/75 watt load	150 W	75 W	0.45 dB	70+ dB	N Female	1,160.00
8550/35AH	300-650	Dual Isolator, 30/150 watt load	150 W	150 W	0.45 dB	70+ dB	N Female	1,445.00
8550/45AH	300-650	Dual Isolator, 60/150 watt load	150 W	150 W	0.45 dB	70+ dB	N Female	1,475.00
8560/00	300-650	Dual Circulator, 200 watts	200 W	-	0.45 dB	70+ dB	N Female	1,530.00
8560/45	300-650	Dual Isolator, 60/125 watt load	200 W	125 W	0.45 dB	70+ dB	N Female	1,975.00
8560/46	300-650	Dual Isolator, 60/250 watt load	200 W	200 W	0.45 dB	70+ dB	N Female	2,145.00
8560/00H	300-650	Dual Circulator, 250 watts	250 W	-	0.45 dB	70+ dB	N Female	1,630.00
8560/45H	300-650	Dual Isolator, 60/125 watt load	250 W	125 W	0.45 dB	70+ dB	N Female	2,070.00
8560/46H	300-650	Dual Isolator, 60/250 watt load	250 W	250 W	0.45 dB	70+ dB	N Female	2,245.00
8560/45HF	300-650	Dual Isolator, 60/125 watt load	250 W	125 W	0.45 dB	70+ dB	N Female	2,315.00
8560/45AHF	300-650	Dual Isolator, 60/150 watt load	250 W	150 W	0.45 dB	70+ dB	N Female	2,380.00
8560/46HF	300-650	Dual Isolator, 60/250 watt load	250 W	250 W	0.45 dB	70+ dB	N Female	2,480.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

CIRCULATOR and ISOLATOR APPLICATION NOTES:

- Please refer to application notes concerning Circulators and Isolators on page 3.

UHF CIRCULATORS AND ISOLATORS

Model Number	Frequency Band (MHz)	Product Description	Power Input	Power Refl.	Insertion Loss	Isolation	Connectors	Unit Price
7640/0	650-1000	Circulator, 50 watts	50 W	-	0.25 dB	35+ dB	N Female	515.00
7640/2	650-1000	Single Isolator, 15 watt load	30 W	15 W	0.25 dB	35+ dB	N Female	565.00
7640/3	650-1000	Single Isolator, 30 watt load	50 W	30 W	0.25 dB	35+ dB	N Female	585.00
7640/4	650-1000	Single Isolator, 60 watt load	50 W	50 W	0.25 dB	35+ dB	N Female	615.00
7650/0	650-1000	Circulator, 125 watts	125 W	-	0.25 dB	35+ dB	N Female	530.00
7650/4	650-1000	Single Isolator, 60 watt load	125 W	60 W	0.25 dB	35+ dB	N Female	635.00
7650/4A	650-1000	Single Isolator, 75 watt load	125 W	75 W	0.25 dB	35+ dB	N Female	650.00
7650/5	650-1000	Single Isolator, 125 watt load	125 W	125 W	0.25 dB	35+ dB	N Female	865.00
7650/0H	650-1000	Circulator, 150 watts	150 W	-	0.25 dB	35+ dB	N Female	595.00
7650/4AH	650-1000	Single Isolator, 75 watt load	150 W	75 W	0.25 dB	35+ dB	N Female	715.00
7650/5AH	650-1000	Single Isolator, 150 watt load	150 W	150 W	0.25 dB	35+ dB	N Female	1,000.00
7660/0	650-1000	Circulator, 200 watts	200 W	-	0.25 dB	35+ dB	N Female	915.00
7660/5	650-1000	Single Isolator, 125 watt load	200 W	125 W	0.25 dB	35+ dB	N Female	1,255.00
7660/6	650-1000	Single Isolator, 250 watt load	200 W	200 W	0.25 dB	35+ dB	N Female	1,440.00
7660/0H	650-1000	Circulator, 250 watts	250 W	-	0.25 dB	35+ dB	N Female	995.00
7660/5H	650-1000	Single Isolator, 125 watt load	250 W	125 W	0.25 dB	35+ dB	N Female	1,330.00
7660/6H	650-1000	Single Isolator, 250 watt load	250 W	250 W	0.25 dB	35+ dB	N Female	1,505.00
7660/5HF	650-1000	Single Isolator, 125 watt load	250 W	125 W	0.25 dB	35+ dB	N Female	1,570.00
7660/6HF	650-1000	Single Isolator, 250 watt load	250 W	250 W	0.25 dB	35+ dB	N Female	1,740.00
7680/0HF	650-1000	Circulator, 500 watts	500 W	-	0.30 dB	35+ dB	N Female	2,735.00
7680/6HF	650-1000	Single Isolator, 250 watt load	500 W	250 W	0.30 dB	35+ dB	N Female	3,280.00
7686/6HF	650-1000	Single Isolator, 250 watt load	500 W	250 W	0.30 dB	35+ dB	7/16 DIN F	3,400.00
8640/00	650-1000	Dual Circulator, 50 watts	50 W	-	0.40 dB	70+ dB	N Female	860.00
8640/22	650-1000	Dual Isolator, 15/15 watt load	30 W	15 W	0.40 dB	70+ dB	N Female	970.00
8640/23	650-1000	Dual Isolator, 15/30 watt load	50 W	30 W	0.40 dB	70+ dB	N Female	985.00
8640/34	650-1000	Dual Isolator, 30/60 watt load	50 W	50 W	0.40 dB	70+ dB	N Female	1,030.00
8650/00	650-1000	Dual Circulator, 125 watts	125 W	-	0.40 dB	70+ dB	N Female	895.00
8650/34	650-1000	Dual Isolator, 30/60 watt load	125 W	60 W	0.40 dB	70+ dB	N Female	1,070.00
8650/34A	650-1000	Dual Isolator, 30/75 watt load	125 W	75 W	0.40 dB	70+ dB	N Female	1,090.00
8650/35	650-1000	Dual Isolator, 30/125 watt load	125 W	125 W	0.40 dB	70+ dB	N Female	1,305.00
8650/45	650-1000	Dual Isolator, 60/125 watt load	125 W	125 W	0.40 dB	70+ dB	N Female	1,335.00
8650/00H	650-1000	Dual Circulator, 150 watts	150 W	-	0.40 dB	70+ dB	N Female	970.00
8650/34AH	650-1000	Dual Isolator, 30/75 watt load	150 W	75 W	0.40 dB	70+ dB	N Female	1,250.00
8650/45AH	650-1000	Dual Isolator, 60/150 watt load	150 W	150 W	0.40 dB	70+ dB	N Female	1,480.00
8660/00	650-1000	Dual Circulator, 200 watts	200 W	-	0.40 dB	70+ dB	N Female	1,555.00
8660/45	650-1000	Dual Isolator, 60/125 watt load	200 W	125 W	0.40 dB	70+ dB	N Female	2,005.00
8660/46	650-1000	Dual Isolator, 60/250 watt load	200 W	200 W	0.40 dB	70+ dB	N Female	2,170.00
8660/00H	650-1000	Dual Circulator, 250 watts	250 W	-	0.40 dB	70+ dB	N Female	1,645.00
8660/45H	650-1000	Dual Isolator, 60/125 watt load	250 W	125 W	0.40 dB	70+ dB	N Female	2,090.00
8660/46H	650-1000	Dual Isolator, 60/250 watt load	250 W	250 W	0.40 dB	70+ dB	N Female	2,260.00
8660/45HF	650-1000	Dual Isolator, 60/125 watt load	250 W	125 W	0.40 dB	70+ dB	N Female	2,330.00
8660/46HF	650-1000	Dual Isolator, 60/250 watt load	250 W	250 W	0.40 dB	70+ dB	N Female	2,495.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

UHF CIRCULATORS AND ISOLATORS

Model Number	Frequency Band (MHz)	Product Description	Power Input	Power Refl.	Insertion Loss	Isolation	Connectors	Unit Price
7740/0	1000-1300	Dual Circulator, 125 watts	125 W	-	0.25 dB	35+ dB	N Female	565.00
7740/2	1000-1300	Single Isolator, 15 watt load	30 W	15 W	0.25 dB	35+ dB	N Female	625.00
7740/3	1000-1300	Single Isolator, 30 watt load	60 W	30 W	0.25 dB	35+ dB	N Female	640.00
7750/4	1000-1300	Single Isolator, 60 watt load	125 W	60 W	0.25 dB	35+ dB	N Female	670.00
8740/00	1000-1300	Dual Circulator, 125 watts	125 W	-	0.45 dB	70+ dB	N Female	910.00
8740/22	1000-1300	Dual Isolator, 15/15 watt load	30 W	15 W	0.45 dB	70+ dB	N Female	1,020.00
8740/23	1000-1300	Dual Isolator, 15/30 watt load	60 W	30 W	0.45 dB	70+ dB	N Female	1,035.00
8750/34	1000-1300	Dual Isolator, 30/60 watt load	125 W	60 W	0.45 dB	70+ dB	N Female	1,090.00
**********	1000-2500	PLEASE CONTACT THE FACTORY						

LOAD TERMINATION APPLICATION NOTES:

- 15 through 60 watt units are rated as isolator “screw-on” terminations - derate 30% as stand alone units.
- All load terminations are available with a variety of connectors. Please contact the factory with application details.

LOAD TERMINATIONS

Model Number	Frequency Band (MHz)	Product Description	Power Rating	Connector Type	Unit Price
1605/B	0-1000	RX Multicoupler spare port termination	0.5 W	BNC Male	25.00
1605/N	0-1000	RX Multicoupler spare port termination	0.5 W	N Male	25.00
1620	0-1000	Isolator “screw-on” termination	15 W	N Male	55.00
1630	0-1000	Isolator “screw-on” termination	30 W	N Male	75.00
1640	0-1000	Isolator “screw-on” termination	60 W	N Male	105.00
1640A	0-1000	Isolator “screw-on” termination	75 W	N Male	125.00
1640B	0-1000	Isolator “screw-on” termination	100 W	N Male	135.00
1650	0-1000	Isolator and Combiner termination	125 W	N Female	245.00
1650A	0-1000	Isolator and Combiner termination	150 W	N Female	310.00
1660	0-1000	Isolator and Combiner termination	250 W	N Female	410.00
1670	0-1000	Isolator and Combiner termination	300 W	N Female	985.00

APPLICATION NOTES FOR LINE MATCHERS, 2nd HARMONIC FILTERS AND LOW PASS FILTERS:

- Line matchers provide a means to correct impedance matches between elements of a system.

LINE MATCHERS / 2ND HARMONIC FILTERS / LOW PASS FILTERS

Model Number	Frequency Band (MHz)	Product Description	Input Power	Insertion Loss	Connectors Input	Connectors Output	Unit Price
4350/L	66-108	Low Pass Filter	150 W	0.25 dB	N Male	N Female	260.00
6350/S	66-108	2nd Harmonic Filter	150 W	0.15 dB	N Male	N Female	150.00
6350/Z	66-108	Line or Impedance Matcher	150 W	0.15 dB	N Male	N Female	150.00
4450/L	108-300	Low Pass Filter	250 W	0.25 dB	N Male	N Female	245.00
6450/S	108-300	2nd Harmonic Filter	250 W	0.15 dB	N Male	N Female	140.00
6450/Z	108-300	Line or Impedance matcher	250 W	0.15 dB	N Male	N Female	145.00
4550/L	300-650	Low Pass Filter	250 W	0.25 dB	N Male	N Female	245.00
6550/S	300-650	2nd Harmonic Filter	250 W	0.15 dB	N Male	N Female	145.00
6550/Z	300-650	Line or Impedance Matcher	250 W	0.15 dB	N Male	N Female	145.00
4650/L	650-1000	Low Pass Filter	150 W	0.25 dB	N Male	N Female	245.00
6650/S	650-1000	2nd Harmonic Filter	150 W	0.15 dB	N Male	N Female	140.00
6650/Z	650-1000	Line or Impedance Matcher	150 W	0.15 dB	N Male	N Female	145.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

INTERMODULATION CONTROL PANEL NOTES:

- I.M. control panels include factory tuned isolator, harmonic filter and 19" rack mount panel.
- Frequency Band is not a measure of the fixed or tunable bandwidth of the I.M. panel. For details on fixed and tunable bandwidths consult the applicable specification sheets or contact the factory.
- Models with load terminations of 125 watts or higher include matched cable to load and circulator to load termination mounting bracket.
- To insure stated specifications loads are dynamically matched to circulators during manufacture. Isolation specifications are guaranteed only with manufacturer supplied loads.
- Higher power models are available; please contact the factory.
- Models with an "H" after the slash (/) include additional heat sinking.
- Models with an "F" after the slash include a thermally activated 115 VAC forced air cooling for applications above 200 watts and exceeding a duty cycle of 50% (1 minute on and 1 minute off). Fans using other than 115 VAC are available.
- Low pass filters may be provided in place of 2nd harmonic filters for an additional charge.

VHF INTERMODULATION CONTROL PANELS

Model Number	Frequency Band (MHz)	Isolator Stages	Power Input	Power Refl.	Insertion Loss	Isolation	Panel Height	Connectors	Unit Price
73412	66-88	Single	30 W	15 W	0.65 dB	35+ dB	3.50 "	N Female	920.00
73413	66-88	Single	50 W	30 W	0.65 dB	35+ dB	3.50 "	N Female	945.00
73414	66-88	Single	50 W	50 W	0.65 dB	35+ dB	3.50 "	N Female	980.00
73514/H	66-88	Single	100 W	60 W	0.65 dB	35+ dB	3.50 "	N Female	1,245.00
73515/H	66-88	Single	100 W	100 W	0.65 dB	35+ dB	5.25 "	N Female	1,600.00
73514A/HF	66-88	Single	150 W	75 W	0.65 dB	35+ dB	8.75 "	N Female	1,550.00
73515A/HF	66-88	Single	150 W	150 W	0.65 dB	35+ dB	8.75 "	N Female	1,935.00
73422	66-88	Dual	30 W	15 W	0.90 dB	70+ dB	3.50 "	N Female	1,330.00
73423	66-88	Dual	50 W	30 W	0.90 dB	70+ dB	3.50 "	N Female	1,350.00
73424	66-88	Dual	50 W	50 W	0.90 dB	70+ dB	3.50 "	N Female	1,405.00
73524/H	66-88	Dual	100 W	60 W	0.90 dB	70+ dB	3.50 "	N Female	1,835.00
73525/H	66-88	Dual	100 W	100 W	0.90 dB	70+ dB	5.25 "	N Female	2,210.00
73525/HF	66-88	Dual	150 W	125 W	0.90 dB	70+ dB	8.75 "	N Female	2,485.00
**********	66-88	**********	SEE FM BROADCAST SECTION				**********		
**********	108-118	**********	PLEASE CONTACT THE FACTORY				**********		
**********	118-138	**********	SEE AERONAUTICAL SECTION				**********		
**********	138-150	**********	PLEASE CONTACT THE FACTORY				**********		
74311	150-300	Single	20 W	10 W	0.55 dB	35+ dB	3.50 "	N Female	615.00
74412	150-300	Single	30 W	15 W	0.45 dB	35+ dB	3.50 "	N Female	790.00
74413	150-300	Single	50 W	30 W	0.45 dB	35+ dB	3.50 "	N Female	805.00
74414	150-300	Single	50 W	50 W	0.45 dB	35+ dB	3.50 "	N Female	840.00
74514	150-300	Single	125 W	60 W	0.45 dB	35+ dB	3.50 "	N Female	885.00
74515	150-300	Single	125 W	125 W	0.45 dB	35+ dB	5.25 "	N Female	1,235.00
74514A/H	150-300	Single	150 W	75 W	0.45 dB	35+ dB	3.50 "	N Female	1,005.00
74515A/H	150-300	Single	150 W	150 W	0.45 dB	35+ dB	5.25 "	N Female	1,400.00
74615	150-300	Single	200 W	125 W	0.45 dB	35+ dB	5.25 "	N Female	1,585.00
74616	150-300	Single	200 W	200 W	0.45 dB	35+ dB	7.00 "	N Female	1,765.00
74615/H	150-300	Single	250 W	125 W	0.45 dB	35+ dB	5.25 "	N Female	1,735.00
74616/H	150-300	Single	250 W	250 W	0.45 dB	35+ dB	7.00 "	N Female	1,850.00
74615/HF	150-300	Single	250 W	125 W	0.45 dB	35+ dB	8.75 "	N Female	2,005.00
74616/HF	150-300	Single	250 W	250 W	0.45 dB	35+ dB	8.75 "	N Female	2,120.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

INTERMODULATION CONTROL PANEL NOTES:

- Please refer to application notes concerning Intermodulation Control Panels on page 8.

VHF INTERMODULATION CONTROL PANELS

Model Number	Frequency Band (MHz)	Isolator Stages	Power Input	Power Refl.	Insertion Loss	Isolation	Panel Height	Connectors	Unit Price
74422	150-300	Dual	30 W	15 W	0.60 dB	70 + dB	3.50“	N Female	1,170.00
74423	150-300	Dual	50 W	30 W	0.60 dB	70 + dB	3.50”	N Female	1,190.00
74424	150-300	Dual	50 W	50 W	0.60 dB	70 + dB	3.50“	N Female	1,235.00
74524	150-300	Dual	125 W	60 W	0.60 dB	70 + dB	3.50“	N Female	1,305.00
74525	150-300	Dual	125 W	125 W	0.60 dB	70 + dB	5.25“	N Female	1,680.00
74524A/H	150-300	Dual	150 W	75 W	0.60 dB	70 + dB	3.50“	N Female	1,430.00
74525A/H	150-300	Dual	150 W	150 W	0.60 dB	70 + dB	5.25“	N Female	1,855.00
74625	150-300	Dual	200 W	125 W	0.60 dB	70 + dB	5.25“	N Female	2,365.00
74626	150-300	Dual	200 W	200 W	0.60 dB	70 + dB	7.00“	N Female	2,550.00
74625/H	150-300	Dual	250 W	125 W	0.60 dB	70 + dB	5.25“	N Female	2,535.00
74626/H	150-300	Dual	250 W	250 W	0.60 dB	70 + dB	7.00“	N Female	2,650.00
74625/HF	150-300	Dual	250 W	125 W	0.60 dB	70 + dB	8.75“	N Female	2,805.00
74626/HF	150-300	Dual	250 W	250 W	0.60 dB	70 + dB	8.75“	N Female	2,915.00

UHF INTERMODULATION CONTROL PANELS

Model Number	Frequency Band (MHz)	Isolator Stages	Power Input	Power Refl.	Insertion Loss	Isolation	Panel Height	Connectors	Unit Price
75311	300-650	Single	20 W	10 W	0.40 dB	35+ dB	3.50“	N Female	545.00
75412	300-650	Single	30 W	15 W	0.40 dB	35+ dB	3.50“	N Female	765.00
75413	300-650	Single	50 W	30 W	0.40 dB	35+ dB	3.50“	N Female	785.00
75414	300-650	Single	50 W	50 W	0.40 dB	35+ dB	3.50“	N Female	810.00
75514	300-650	Single	125 W	60 W	0.40 dB	35+ dB	3.50“	N Female	840.00
75515	300-650	Single	125 W	125 W	0.40 dB	35+ dB	5.25“	N Female	1,195.00
75514A/H	300-650	Single	150 W	75 W	0.40 dB	35+ dB	3.50“	N Female	960.00
75515A/H	300-650	Single	150 W	150 W	0.40 dB	35+ dB	5.25“	N Female	1,350.00
75615	300-650	Single	200 W	125 W	0.40 dB	35+ dB	5.25“	N Female	1,590.00
75616	300-650	Single	200 W	200 W	0.40 dB	35+ dB	7.00“	N Female	1,765.00
75615/H	300-650	Single	250 W	125 W	0.40 dB	35+ dB	5.25“	N Female	1,735.00
75616/H	300-650	Single	250 W	250 W	0.40 dB	35+ dB	7.00“	N Female	1,850.00
75615/HF	300-650	Single	250 W	125 W	0.40 dB	35+ dB	8.75“	N Female	2,010.00
75616/HF	300-650	Single	250 W	250 W	0.40 dB	35+ dB	8.75“	N Female	2,120.00
75422	300-650	Dual	30 W	15 W	0.60 dB	70+dB	3.50“	N Female	1,185.00
75423	300-650	Dual	50 W	30 W	0.60 dB	70+dB	3.50“	N Female	1,200.00
75424	300-650	Dual	50 W	50 W	0.60 dB	70+dB	3.50“	N Female	1,250.00
75524	300-650	Dual	125 W	60 W	0.60 dB	70+dB	3.50“	N Female	1,305.00
75524A	300-650	Dual	125 W	75 W	0.60 dB	70+dB	3.50“	N Female	1,325.00
75525	300-650	Dual	125 W	125 W	0.60 dB	70+dB	5.25“	N Female	1,680.00
75524A/H	300-650	Dual	150 W	75 W	0.60 dB	70+dB	3.50“	N Female	1,430.00
75525A/H	300-650	Dual	150 W	150 W	0.60 dB	70+dB	5.25“	N Female	1,855.00
75625	300-650	Dual	200 W	125 W	0.60 dB	70+dB	5.25“	N Female	2,365.00
75626	300-650	Dual	200 W	200 W	0.60 dB	70+dB	8.75“	N Female	2,550.00
75625/H	300-650	Dual	250 W	125 W	0.60 dB	70+dB	5.25“	N Female	2,535.00
75626/H	300-650	Dual	250 W	250 W	0.60 dB	70+dB	8.75“	N Female	2,650.00
75625/HF	300-650	Dual	250 W	125 W	0.60 dB	70+dB	8.75“	N Female	2,805.00
75626/HF	300-650	Dual	250 W	250 W	0.60 dB	70+dB	10.5“	N Female	2,915.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

INTERMODULATION CONTROL PANEL NOTES:

- Please refer to application notes concerning Intermodulation Control Panels on page 8.

UHF INTERMODULATION CONTROL PANELS

Model Number	Frequency Band (MHz)	Isolator Stages	Power Input	Power Refl.	Insertion Loss	Isolation	Panel Height	Connectors	Unit Price
76412	650-1000	Single	30 W	15 W	0.40 dB	35+ dB	3.50“	N Female	780.00
76413	650-1000	Single	50 W	30 W	0.40 dB	35+ dB	3.50“	N Female	795.00
76414	650-1000	Single	50 W	50 W	0.40 dB	35+ dB	3.50“	N Female	825.00
76514	650-1000	Single	125 W	60 W	0.40 dB	35+ dB	3.50“	N Female	845.00
76514A	650-1000	Single	125 W	75W	0.40 dB	35+ dB	5.25“	N Female	930.00
76515	650-1000	Single	125 W	125 W	0.40 dB	35+ dB	5.25“	N Female	1,200.00
76514A/H	650-1000	Single	150 W	75 W	0.40 dB	35+ dB	3.50“	N Female	965.00
76515A/H	650-1000	Single	150 W	150 W	0.40 dB	35+ dB	5.25“	N Female	1,355.00
76615	650-1000	Single	200 W	125 W	0.40 dB	35+ dB	5.25“	N Female	1,605.00
76616	650-1000	Single	200 W	200 W	0.40 dB	35+ dB	7.00“	N Female	1,785.00
76615/H	650-1000	Single	250 W	125 W	0.40 dB	35+ dB	5.25“	N Female	1,755.00
76616/H	650-1000	Single	250 W	250 W	0.40 dB	35+ dB	7.00“	N Female	1,890.00
76615/HF	650-1000	Single	250 W	125 W	0.40 dB	35+ dB	8.75“	N Female	2,030.00
76616/HF	650-1000	Single	250 W	250 W	0.40 dB	35+ dB	8.75“	N Female	2,135.00
76422	650-1000	Dual	30 W	15 W	0.60 dB	70+dB	3.50“	N Female	1,200.00
76423	650-1000	Dual	50 W	30 W	0.60 dB	70+dB	3.50“	N Female	1,220.00
76424	650-1000	Dual	50 W	50 W	0.60 dB	70+dB	3.50“	N Female	1,275.00
76524	650-1000	Dual	125 W	60 W	0.60 dB	70+dB	3.50“	N Female	1,310.00
76524A	650-1000	Dual	125 W	75 W	0.60 dB	70+dB	3.50“	N Female	1,605.00
76525	650-1000	Dual	125 W	125 W	0.60 dB	70+dB	5.25“	N Female	1,685.00
76524A/H	650-1000	Dual	150 W	75 W	0.60 dB	70+dB	3.50“	N Female	1,435.00
76525A/H	650-1000	Dual	150 W	150 W	0.60 dB	70+dB	5.25“	N Female	1,865.00
76625	650-1000	Dual	200 W	125 W	0.60 dB	70+dB	5.25“	N Female	2,390.00
76626	650-1000	Dual	200 W	200 W	0.60 dB	70+dB	7.00“	N Female	2,570.00
76625/H	650-1000	Dual	250 W	125 W	0.60 dB	70+dB	7.00“	N Female	2,555.00
76626/H	650-1000	Dual	250 W	250 W	0.60 dB	70+dB	7.00“	N Female	2,670.00
76625/HF	650-1000	Dual	250 W	125 W	0.60 dB	70+dB	8.75“	N Female	2,820.00
76626/HF	650-1000	Dual	250 W	250 W	0.60 dB	70+dB	8.75“	N Female	2,930.00
77412	1000-1300	Single	30 W	15 W	0.40 dB	35+dB	3.50“	N Female	835.00
77413	1000-1300	Single	50 W	30 W	0.40 dB	35+dB	3.50“	N Female	960.00
77414	1000-1300	Single	50 W	50 W	0.40 dB	35+dB	3.50“	N Female	885.00
77514	1000-1300	Single	125 W	60 W	0.40 dB	35+dB	3.50“	N Female	920.00
77422	1000-1300	Dual	30 W	15 W	0.60 dB	70+dB	3.50“	N Female	1,260.00
77423	1000-1300	Dual	50 W	30 W	0.60 dB	70+dB	3.50“	N Female	1,280.00
77424	1000-1300	Dual	50 W	50 W	0.60 dB	70+dB	3.50“	N Female	1,325.00
77524	1000-1300	Dual	125 W	60 W	0.60 dB	70+dB	3.50“	N Female	1,385.00
**********	1300-2500	**********	PLEASE CONTACT THE FACTORY				**********		

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

CAVITY RESONATOR APPLICATION NOTES:

- Specify operating frequency and coupling factor with order.
- Single cavity models do not include 19" rack mounting equipment.
- Models with an "H" after the slash (/) include additional heat sinking.
- Models with an "F" after the slash include a thermally activated 115 VAC forced air cooling fan for continuous duty applications. Fans using other than 115 VAC are available; please contact the factory concerning your application.
- Band pass cavities have adjustable coupling loops. Contact the factory for specific loss coupling ranges.
- Power ratings listed are based on 1 dB insertion loss setting in the cavity resonator.
- Connectors, other than those listed, are available upon request; please contact the factory with your requirements.
- Band pass cavity input power ratings are for nominal 1 dB loop coupling factor. Contact the factory for loop settings at higher and lower input powers.
- Cavity height dimensions do not include resonant rod height which is frequency dependent.
- Cavity resonators are available throughout the spectrum from 66 MHz to 2.5 GHz.

VHF CAVITY RESONATORS

Model Number	Frequency Band (MHz)	Product Description	Cavity Dimensions Width	Depth	Height	Power Input	Connectors	Single Cavity	Dual Cavity	Triple Cavity
6354/SBD	66-88	Band Pass	4"	4"	42"	150 W	N Female	475.00	1,100.00	1,650.00
6354/SND	66-88	Pass Notch	4"	4"	42"	150 W	N Female	500.00	1,145.00	1,725.00
**********	88-108	**********	PLEASE CONTACT THE FACTORY				**********			
**********	108-118	**********	PLEASE CONTACT THE FACTORY				**********			
**********	118-138	**********	PLEASE CONTACT THE FACTORY				**********			
**********	138-144	**********	PLEASE CONTACT THE FACTORY				**********			
6454/SBC	144-190	Band Pass	4"	4"	24"	150 W	N Female	360.00	870.00	1,305.00
6467/SBC	144-190	Band Pass	7"	7"	24"	200 W	N Female	455.00	1,055.00	1,590.00
6477/SBCH	144-190	Band Pass	7"	7"	24"	250 W	N Female	680.00	1,515.00	2,275.00
6477/SBCHF	144-190	Band Pass	7"	7"	24"	350 W	N Female	970.00	2,080.00	3,125.00
64610/SBC	144-190	Band Pass	10"	10"	24"	200 W	N Female	540.00	1,230.00	
64710/SBCH	144-190	Band Pass	10"	10"	24"	350 W	N Female	1,345.00	2,835.00	
64810/SBCHF	144-190	Band Pass	10"	10"	24"	500 W	7/16 DIN	1,600.00	3,665.00	
64812/SBCH	144-190	Band Pass	12"	12"	24"	500 W	7/16 DIN	1,935.00	4,335.00	
64A12/SBCHF	144-190	Band Pass	12"	12"	24"	1000 W	7/16 DIN	2,235.00	4,930.00	
6454/SNC	144-190	Pass Notch	4"	4"	24"	150 W	N Female	405.00	955.00	1,440.00
6467/SNC	144-190	Pass Notch	7"	7"	24"	200 W	N Female	480.00	1,105.00	1,665.00
6467/SNCH	144-190	Pass Notch	7"	7"	24"	250 W	N Female	575.00	1,300.00	1,955.00
6467/SNCHF	144-190	Pass Notch	7"	7"	24"	350 W	N Female	960.00	2,065.00	3,105.00
64610/SNC	144-190	Pass Notch	10"	10"	24"	200 W	N Female	570.00	1,295.00	
64610/SNCH	144-190	Pass Notch	10"	10"	24"	250 W	N Female	910.00	1,970.00	
6454/SBD	190-240	Band Pass	4"	4"	24"	150 W	N Female	360.00	870.00	1,305.00
6467/SBD	190-240	Band Pass	7"	7"	24"	200 W	N Female	455.00	1,055.00	1,590.00
6454/SND	190-240	Pass Notch	4"	4"	24"	150 W	N Female	405.00	955.00	1,440.00
6467/SND	190-240	Pass Notch	7"	7"	24"	200 W	N Female	480.00	1,105.00	1,665.00
6467/SBE	240-300	Band Pass	7"	7"	14"	200 W	N Female	455.00	1,055.00	1,590.00
6467/SNE	240-300	Pass Notch	7"	7"	14"	200 W	N Female	480.00	1,105.00	1,665.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

CAVITY RESONATOR APPLICATION NOTES:

- Please refer to application notes concerning Cavity Resonators on page 11

UHF CAVITY RESONATORS

Model Number	Frequency Band (MHz)	Product Description	Cavity Dimensions Width	Depth	Height	Power Input	Connectors	Single Cavity	Dual Cavity	Triple Cavity
6567/SBA	300-375	Band Pass	7”	7”	14”	200 W	N Female	440.00	1,030.00	1,550.00
6567/SBAH	300-375	Band Pass	7”	7”	14”	250 W	N Female	665.00	1,475.00	2,215.00
6567/SNA	300-375	Pass Notch	7”	7”	14”	200 W	N Female	460.00	1,065.00	1,605.00
6567/SNAH	300-375	Pass Notch	7”	7”	14”	250 W	N Female	690.00	1,535.00	2,310.00
6554/SBB	375-440	Band Pass	4”	4”	12”	150 W	N Female	355.00	860.00	1,290.00
6567/SBB	375-440	Band Pass	7”	7”	12”	200 W	N Female	420.00	990.00	1,490.00
6567/SBBH	375-440	Band Pass	7”	7”	12”	250 W	N Female	650.00	1,445.00	2,175.00
6554/SNB	375-440	Pass Notch	4”	4”	12”	150 W	N Female	375.00	895.00	1,345.00
6567/SNB	375-440	Pass Notch	7”	7”	12”	200 W	N Female	445.00	1,045.00	1,565.00
6567/SNBH	375-440	Pass Notch	7”	7”	12”	250 W	N Female	675.00	1,495.00	2,250.00
6554/SBC	440-512	Band Pass	4”	4”	12”	150 W	N Female	345.00	845.00	1,275.00
6567/SBC	440-512	Band Pass	7”	7”	12”	200 W	N Female	415.00	980.00	1,475.00
6567/SBCH	440-512	Band Pass	7”	7”	12”	250 W	N Female	645.00	1,435.00	2,160.00
6577/SBCHF	440-512	Band Pass	7”	7”	12”	350 W	N Female	935.00	2,220.00	3,030.00
65610/SBC	440-512	Band Pass	10”	10”	12”	200 W	N Female	510.00	1,170.00	
65710/SBCH	440-512	Band Pass	10”	10”	12”	350 W	N Female	1,265.00	2,685.00	
65810/SBCHF	440-512	Band Pass	10”	10”	12”	500 W	7/16 DIN	1,520.00	3,515.00	
6554/SNC	440-512	Pass Notch	4”	4”	12”	150 W	N Female	360.00	870.00	1,305.00
6567/SNC	440-512	Pass Notch	7”	7”	12”	200 W	N Female	440.00	1,030.00	1,550.00
6567/SNCH	440-512	Pass Notch	7”	7”	12”	250 W	N Female	665.00	1,475.00	2,215.00
65610/SNC	440-512	Pass Notch	10”	10”	12”	250 W	N Female	700.00	1,550.00	
**********	512-650	**********	PLEASE CONTACT THE FACTORY				**********			
**********	650-806	**********	PLEASE CONTACT THE FACTORY				**********			
6654/SBC1	806-894	Band Pass	4”	4”	6”	100 W	N Female	325.00	800.00	1,205.00
6654/SBC3	806-894	Band Pass	4”	4”	12”	100 W	N Female	345.00	845.00	1,325.00
6667/SBC3	806-894	Band Pass	7”	7”	12”	200 W	N Female	420.00	990.00	1,490.00
6677/SBC3H	806-894	Band Pass	7”	7”	12”	250 W	N Female	650.00	1,445.00	2,175.00
6677/SBC3HF	806-894	Band Pass	7”	7”	12”	350 W	N Female	945.00	2,045.00	3,065.00
66610/SBC3	806-894	Band Pass	10”	10”	12”	200 W	N Female	510.00	1,170.00	
66710/SBC3H	806-894	Band Pass	10”	10”	12”	350 W	N Female	1,185.00	2,525.00	
66810/SBC3HF	806-894	Band Pass	10”	10”	12”	500 W	7/16 DIN	1,520.00	3,515.00	

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

CAVITY RESONATOR APPLICATION NOTES:

- Please refer to application notes concerning Cavity Resonators on page 11.

UHF CAVITY RESONATORS

Model Number	Frequency Band (MHz)	Product Description	Cavity Dimensions Width	Depth	Height	Power Input	Connectors	Single Cavity	Dual Cavity	Triple Cavity
6654/SNC1	806-894	Pass Notch	4”	4”	6”	100 W	N Female	335.00	825.00	1,240.00
6654/SNC3	806-894	Pass Notch	4”	4”	12”	100 W	N Female	360.00	870.00	1,305.00
6667/SNC3	806-894	Pass Notch	7”	7”	12”	200 W	N Female	445.00	1,045.00	1,565.00
6667/SNC3H	806-894	Pass Notch	7”	7”	12”	250 W	N Female	675.00	1,495.00	2,250.00
6654/SBD1	894-960	Band Pass	4”	4”	6”	100 W	N Female	325.00	800.00	1,205.00
6654/SBD3	894-960	Band Pass	4”	4”	12”	100 W	N Female	345.00	845.00	1,275.00
6667/SBD3	894-960	Band Pass	7”	7”	10”	200 W	N Female	420.00	990.00	1,490.00
6677/SBD3H	894-960	Band Pass	7”	7”	10”	350 W	N Female	1,185.00	2,525.00	
6687/SBD3HF	894-960	Band Pass	7”	7”	10”	500 W	7/16 DIN	1,520.00	3,515.00	
6654/SND1	894-960	Pass Notch	4”	4”	6”	100 W	N Female	335.00	825.00	1,240.00
6654/SND3	894-960	Pass Notch	4”	4”	10”	100 W	N Female	360.00	870.00	1,305.00
6667/SND3	894-960	Pass Notch	7”	7”	10”	200 W	N Female	445.00	1,045.00	1,565.00
6667/SND3H	894-960	Pass Notch	7”	7”	10”	250 W	N Female	675.00	1,495.00	2,250.00

“CRYSTAL CAVITY” APPLICATION NOTES:

- Please refer to Cavity Resonator Application Notes on page 11.
- Specify frequency and coupling factor for band pass cavities used with crystal filters. Overall insertion loss specifications below are based on nominal 1 dB coupling loss through the band pass cavity resonator.
- “Crystal Cavity” prices are based on a “LIST-PLUS-NET”. The crystal filter price is a fixed net price of $625.00 (subject to change without notification). Exact operating frequency must be specified for front-end crystal filters. Crystal filters cannot be returned to the factory for any reason other than warranty repair.

“CRYSTAL - CAVITY” COMBINATIONS

Model Number	Frequency Band (MHz)	Insertion Loss	Attenuation F c +/- 50 KHz	Amplifier Gain (Adjustable)	Primary Voltage	Variable Gain	Unit Price Net	(Total = List + Net) List
**********	66-88	**********	PLEASE CONTACT THE FACTORY			**********		
**********	108-144	**********	PLEASE CONTACT THE FACTORY			**********		
VC35	144-190	5 dB	60+ dB	N/A	N/A	N/A	625.00	N/A
6454/VC	144-190	6 dB	60+ dB	N/A	N/A	N/A	625.00	645.00
6454/VCAT	144-190	6 dB	60+ dB	30+ dB	115 VAC	YES	625.00	1,640.00
6454/VCAT02	144-190	6 dB	60+ dB	30+ dB	230 VAC	YES	625.00	1,640.00
6454/VCAT03	144-190	6 dB	60+ dB	30+ dB	12 VDC	YES	625.00	1,640.00
VD35	190-225	5 dB	60+ dB	N/A	N/A	N/A	625.00	N/A
6454/VD	190-225	6 dB	60+ dB	N/A	N/A	N/A	625.00	645.00
6454/VDAT	190-225	6 dB	60+ dB	30+ dB	115 VAC	YES	625.00	1,640.00
6454/VDAT02	190-225	6 dB	60+ dB	30+ dB	230 VAC	YES	625.00	1,640.00
6454/VDAT03	190-225	6 dB	60+ dB	30+ dB	12 VDC	YES	625.00	1,640.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

ISO-CAV APPLICATION NOTES:

- Specify exact transmit frequency and transmitter power level when ordering.
- Noise rejection and insertion loss are directly related and are adjusted through cavity coupling loops (0.5-2.0 dB per cavity). The higher the insertion loss the greater the noise rejection will be; lower insertion loss translates to less noise rejection.
- Please refer to all application notes concerning Isolators on page 1 and Cavity Resonators on page 11.
- All Iso-Cavs have N Female input and output connectors. Contact the factory for other connector types.
- Contact the factory for recommendations regarding equipment selection as well as available options which are not listed.

VHF ISOLATOR CAVITY RESONATORS COMBINATIONS "ISO-CAVS"

Model Number	Frequency Band (MHz)	Power Input	Power Reflected	Insertion Loss	Isolation	Cavity Size	Isolator Stages	Noise Rejection @ +/- 5 MHz	Unit Price
73414/CFD	66-88	50 W	30 W	1.6 dB	35+ dB	4"	Single	25 dB, min.	1,415.00
73424/CFD	66-88	50 W	30 W	1.8 dB	70+ dB	4"	Dual	25 dB, min.	1,830.00
73514H/CFD	66-88	100 W	60 W	1.6 dB	35+ dB	4"	Single	25 dB, min.	1,725.00
73524H/CFD	66-88	100 W	60 W	1.8 dB	70+ dB	4"	Dual	25 dB, min.	2,310.00
**********	88-108	**********	PLEASE CONTACT THE FACTORY				**********		
**********	108-118	**********	PLEASE CONTACT THE FACTORY				**********		
**********	118-138	**********	PLEASE CONTACT THE FACTORY				**********		
**********	138-150	**********	PLEASE CONTACT THE FACTORY				**********		
74314/CFC	150-190	20 W	10 W	1.5 dB	35+ dB	4"	Single	25 dB, min.	1,115.00
74414/CFC	150-190	50 W	30 W	1.5 dB	35+ dB	4"	Single	25 dB, min.	1,175.00
74424/CFC	150-190	50 W	30 W	1.7 dB	70+ dB	4"	Dual	25 dB, min.	1,555.00
74514/CFC	150-190	125 W	60 W	1.5 dB	35+ dB	4"	Single	25 dB, min.	1,250.00
74524/CFC	150-190	125 W	60 W	1.7 dB	70+ dB	4"	Dual	25 dB, min.	1,670.00
74517/CFC	150-190	125 W	60 W	1.5 dB	35+ dB	7"	Single	30 dB, min.	1,350.00
74527/CFC	150-190	125 W	60 W	1.7 dB	70+ dB	7"	Dual	30 dB, min.	1,765.00
74617H/CFCH	150-190	250 W	125 W	1.5 dB	35+ dB	7"	Single	30 dB, min.	2,165.00
74627H/CFCH	150-190	250 W	125 W	1.7 dB	70+ dB	7"	Dual	30 dB, min.	2,965.00
74314/CFD	190-240	20 W	10 W	1.5 dB	35+ dB	4"	Single	25 dB, min.	1,115.00
74414/CFD	190-240	50 W	30 W	1.5 dB	35+ dB	4"	Single	25 dB, min.	1,175.00
74424/CFD	190-240	50 W	30 W	1.7 dB	70+ dB	4"	Dual	25 dB, min.	1,555.00
74514/CFD	190-240	125 W	60 W	1.5 dB	35+ dB	4"	Single	25 dB, min.	1,250.00
74524/CFD	190-240	125 W	60 W	1.7 dB	70+ dB	4"	Dual	25 dB, min.	1,670.00
74517/CFD	190-240	125 W	60 W	1.5 dB	35+ dB	7"	Single	30 dB, min.	1,350.00
74527/CFD	190-240	125 W	60 W	1.7 dB	70+ dB	7"	Dual	30 dB, min.	1,765.00
**********	240-300	**********	PLEASE CONTACT THE FACTORY				**********		

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

ISO-CAV APPLICATION NOTES:

- Please refer to all application notes concerning Isolators on page 3, Cavity Resonators on page 11 and Iso-Cavs on page 14.

UHF ISOLATOR CAVITY RESONATORS COMBINATIONS "ISO-CAVS"

Model Number	Frequency Band (MHz)	Power Input	Power Reflected	Insertion Loss	Isolation	Cavity Size	Isolator Stages	Noise Rejection @ +/- 5 MHz	Unit Price
75317/CFA	300-375	20 W	10 W	1.5 dB	35+ dB	7"	Single	25 dB min.	1,125.00
75417/CFA	300-375	50 W	30 W	1.4 dB	35+ dB	7"	Single	25 dB min.	1,260.00
75427/CFA	300-375	50 W	30 W	1.6 dB	70+ dB	7"	Dual	25 dB min.	1,710.00
75517/CFA	300-375	125 W	60 W	1.4 dB	35+ dB	7"	Single	25 dB min.	1,295.00
75527/CFA	300-375	125 W	60 W	1.6 dB	70+ dB	7"	Dual	25 dB min.	1,755.00
75314/CFB	375-440	20 W	10 W	1.5 dB	35+ dB	4"	Single	20 dB min.	1,035.00
75414/CFB	375-440	50 W	30 W	1.4 dB	35+ dB	4"	Single	20 dB min.	1,205.00
75424/CFB	375-440	50 W	30 W	1.6 dB	70+ dB	4"	Dual	20 dB min.	1,665.00
75514/CFB	375-440	125 W	60 W	1.4 dB	35+ dB	4"	Single	20 dB min.	1,205.00
75524/CFB	375-440	125 W	60 W	1.6 dB	70+ dB	4"	Dual	20 dB min.	1,665.00
75517/CFB	375-440	125 W	60 W	1.4 dB	35+ dB	7"	Single	25 dB min.	1,275.00
75527/CFB	375-440	125 W	60 W	1.6 dB	70+ dB	7"	Dual	25 dB min.	1,735.00
75314/CFC	440-512	20 W	10 W	1.5 dB	35+ dB	4"	Single	20 dB min.	1,030.00
75414/CFC	440-512	50 W	30 W	1.4 dB	35+ dB	4"	Single	20 dB min.	1,200.00
75424/CFC	440-512	50 W	30 W	1.6 dB	70+ dB	4"	Dual	20 dB min.	1,655.00
75514/CFC	440-512	125 W	60 W	1.4 dB	35+ dB	4"	Single	20 dB min.	1,200.00
75524/CFC	440-512	125 W	60 W	1.6 dB	70+ dB	4"	Dual	20 dB min.	1,655.00
75517/CFC	440-512	125 W	60 W	1.4 dB	35+ dB	7"	Single	25 dB min.	1,265.00
75527/CFC	440-512	125 W	60 W	1.6 dB	70+ dB	7"	Dual	25 dB min.	1,730.00
75617H/CFCH	440-512	250 W	125 W	1.4 dB	35+ dB	7"	Single	25 dB min.	2,130.00
75627H/CFCH	440-512	250 W	125 W	1.6 dB	70+ dB	7"	Dual	25 dB min.	2,925.00
**********	512-650	**********	PLEASE CONTACT THE FACTORY				**********		
**********	650-806	**********	PLEASE CONTACT THE FACTORY				**********		
76414/CFC	806-894	50 W	30 W	1.4 dB	35+ dB	4"	Single	18 dB min.	1,155.00
76424/CFC	806-894	50 W	30 W	1.6 dB	70+ dB	4"	Dual	18 dB min.	1,615.00
76514/CFC	806-894	125 W	60 W	1.4 dB	35+ dB	4"	Single	18 dB min.	1,155.00
76524/CFC	806-894	125 W	60 W	1.6 dB	70+ dB	4"	Dual	18 dB min.	1,615.00
76517/CFC	806-894	125 W	60 W	1.4 dB	35+ dB	7"	Single	23 dB min.	1,280.00
76527/CFC	806-894	125 W	60 W	1.6 dB	70+ dB	7"	Dual	23 dB min.	1,745.00
76617H/CFCH	806-894	250 W	125 W	1.4 dB	35+ dB	7"	Single	23 dB min.	2,155.00
76627H/CFCH	806-894	250 W	125 W	1.6 dB	70+ dB	7"	Dual	23 dB min.	2,955.00
76414/CFD	894-960	50 W	30 W	1.4 dB	35+ dB	4"	Single	18 dB min.	1,155.00
76424/CFD	894-960	50 W	30 W	1.6 dB	70+ dB	4"	Dual	18 dB min.	1,615.00
76514/CFD	894-960	125 W	60 W	1.4 dB	35+ dB	4"	Single	18 dB min.	1,155.00
76524/CFD	894-960	125 W	60 W	1.6 dB	70+ dB	4"	Dual	18 dB min.	1,615.00
76517/CFD	894-960	125 W	60 W	1.4 dB	35+ dB	7"	Single	23 dB min.	1,280.00
76527/CFD	894-960	125 W	60 W	1.6 dB	70+ dB	7"	Dual	23 dB min.	1,745.00
76617H/CFDH	894-960	250 W	125 W	1.4 dB	35+ dB	7"	Single	23 dB min.	2,715.00
76627H/CFDH	894-960	250 W	125 W	1.6 dB	70+ dB	7"	Dual	23 dB min.	3,515.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

DUPLEXER APPLICATION NOTES;

- Specify transmit and receive frequencies and transmit power levels when ordering.
- In both Band pass and Pass notch style duplexers greater isolation can be achieved at higher insertion losses.
- Standard mobile duplexer connectors are BNC female. Standard base station duplexer connectors are type N female.
- Contact the factory for duplexers with different channel spacings, loss settings, power levels ans isolation performance.

MOBILE ANTENNA DUPLEXERS

Model Number	Frequency Band (MHz)	Input Power	Spacing vs Loss Min Space	Max Loss	Spacing vs Loss Max Space	Min Loss	Isolation Min	Type	Connector Type	Unit Price
63316-1/MD	66-88	40 W	5.0 MHz	1.2 dB			70+ dB	75 dB	BNC F	425.00
64316-0/MC	138-174	40 W	5.0 MHz	1.2 dB	15 MHz	1.0 dB	70+ dB	75 dB	N Fem	425.00
64316-1/MC	138-174	40 W	5.0 MHz	1.2 dB	15 MHz	1.0 dB	70+ dB	75 dB	BNC F	425.00
**********	174-240	********	PLEASE CONTACT THE FACTORY				**********			
64316-1/ME	240-300	40 W	5.0 MHz	1.2 dB			70+ dB	75 dB	BNC F	425.00
**********	300-375	********	PLEASE CONTACT THE FACTORY				**********			
65316-1/MB	375-440	40 W	5.0 MHz	1.2 dB	10 MHz	1.0 dB	70+ dB	75 dB	BNC F	425.00
65316-0/MC	440-512	40 W	5.0 MHz	1.2 dB	10 MHz	1.0 dB	70+ dB	75 dB	N Fem	425.00
65316-1/MC	440-512	40 W	5.0 MHz	1.2 dB	10 MHz	1.0 dB	70+ dB	75 dB	BNC F	425.00
**********	512-650	********	PLEASE CONTACT THE FACTORY				**********			
**********	650-806	********	PLEASE CONTACT THE FACTORY				**********			
66316-1/MC	806-894	40 W	45 MHz	1.0 dB	45 MHz	1.0 dB	80+ dB	90 dB	BNC F	425.00
66316-1/MD	894-960	40 W	45 MHz	1.0 dB	36 MHz	1.0 dB	80+ dB	85 dB	BNC F	425.00

BASE STATION ANTENNA DUPLEXER “BAND PASS”

Model Number	Frequency Band (MHz)	Input Power	Spacing vs Loss Min Space	Max Loss	Isolation @ min spacing	Cavities Size	Number	Unit Price
**********	118-138	**********	PLEASE CONTACT THE FACTORY			**********		
64544/SBC	144-190	150 W	5.0 MHz	1.5 dB	55+ dB	4”	4	1,760.00
64674/SBC	144-190	200 W	5.0 MHz	1.5 dB	60+ dB	7”	4	2,060.00
64546/SBC	144-190	150 W	3.0 MHz	2.3 dB	70+ dB	4”	6	2,675.00
64676/SBC	144-190	200 W	3.0 MHz	2.3 dB	75+ dB	7”	6	3,010.00
**********	190-300	**********	PLEASE CONTACT THE FACTORY			**********		
**********	300-375	**********	PLEASE CONTACT THE FACTORY			**********		
65544/SBB	375-440	150 W	5.0 MHz	1.5 dB	55+ dB	4”	4	1,745.00
65674/SBB	375-440	200 W	5.0 MHz	1.5 dB	60+ dB	7”	4	2,045.00
65546/SBB	375-440	150 W	5.0 MHz	2.3 dB	70+ dB	4”	6	2,830.00
65548/SBB	375-440	150 W	5.0 MHz	2.7 dB	70+ dB	4”	8	3,465.00
655410/SBB	375-440	150 W	5.0 MHz	3.3 dB	75+ dB	4”	10	4,370.00
655412/SBB	375-440	150 W	5.0 MHz	4.0 dB	75+ dB	4”	12	5,285.00
65544/SBC	440-512	150 W	5.0 MHz	1.5 dB	55+ dB	4”	4	1,745.00
65674/SBC	440-512	200 W	5.0 MHz	1.5 dB	60+ dB	7”	4	2,045.00
65546/SBC	440-512	150 W	5.0 MHz	2.3 dB	70+ dB	4”	6	2,645.00
65548/SBC	440-512	150 W	5.0 MHz	2.7 dB	70+ dB	4”	8	3,395.00
655410/SBC	440-512	150 W	5.0 MHz	3.3 dB	75+ dB	4”	10	4,290.00
655412/SBC	440-512	150 W	5.0 MHz	4.0 dB	75+ dB	4”	12	5,175.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

DUPLEXER APPLICATION NOTES;

- Please refer to Duplexer application notes on page 16.

BASE STATION ANTENNA DUPLEXERS "PASS NOTCH"

Model Number	Frequency Band (MHz)	Input Power	Spacing vs Loss Min Space	Max Loss	Spacing vs Loss Max Space	Min Loss	Isolation Min	Type	Cavities Size	No	Unit Price
63544/SND	66-88	150 W	0.75 MHz	1.2 dB	10 MHz	0.8 dB	80 dB	85 dB	4"	4	2,205.00
63546/SND	66-88	150 W	0.50 MHz	1.5 dB	10 MHz	1.2 dB	85 dB	90 dB	4"	6	3,185.00
**********	118-138	********	PLEASE CONTACT THE FACTORY				**********				
64534/ENC	144-190	100 W	5.00 MHz	1.2 dB	15 MHz	0.8 dB	80 dB	85 dB	3"	4	1,015.00
64536/ENC	144-190	100 W	3.00 MHz	2.0 dB	15 MHz	1.2 dB	80 dB	85 dB	3"	6	1,225.00
64544/SNC	144-190	150 W	1.00 MHz	1.2 dB	15 MHz	0.8 dB	80 dB	85 dB	4"	4	1,760.00
64674/SNC	144-190	200 W	0.75 MHz	1.5 dB	15 MHz	0.8 dB	80 dB	85 dB	7"	4	2,060.00
64546/SNC	144-190	150 W	0.50 MHz	1.8 dB	15 MHz	1.2 dB	90 dB	95 dB	4"	6	2,675.00
64676/SNC	144-190	200 W	0.30 MHz	1.6 dB	15 MHz	1.1 dB	90 dB	95 dB	7"	6	3,095.00
**********	216-300	********	PLEASE CONTACT THE FACTORY				**********				
65534/ENA	300-375	100 W	5.00 MHz	1.0 dB	30 MHz	0.8 dB	80 dB	85 dB	3"	4	975.00
65674/SNA	300-375	200 W	2.00 MHz	1.5 dB	30 MHz	0.8 dB	80 dB	85 dB	7"	4	2,090.00
65534/ENB	375-440	100 W	5.00 MHz	1.0 dB	30 MHz	0.8 dB	80 dB	85 dB	3"	4	955.00
65544/SNB	375-440	150 W	3.00 MHz	1.2 dB	30 MHz	0.8 dB	80 dB	85 dB	4"	4	1,735.00
65674/SNB	375-440	200 W	2.00 MHz	1.5 dB	30 MHz	0.8 dB	80 dB	85 dB	7"	4	2,035.00
65546/SNB	375-440	150 W	2.00 MHz	1.8 dB	30 MHz	1.2 dB	90 dB	95 dB	4"	6	2,635.00
65676/SNB	375-440	200 W	1.60 MHz	1.6 dB	30 MHz	1.1 dB	90 dB	95 dB	7"	6	3,085.00
65534/ENC	440-512	100 W	5.00 MHz	1.0 dB	30 MHz	0.8 dB	80 dB	85 dB	3"	4	945.00
65536/ENC	440-512	100 W	3.00 MHz	2.0 dB	30 MHz	1.2 dB	85 dB	90 dB	3"	6	1,190.00
65544/SNC	440-512	150 W	3.00 MHz	1.2 dB	30 MHz	0.8 dB	85 dB	90 dB	4"	4	1,710.00
65674/SNC	440-512	200 W	2.00 MHz	1.5 dB	30 MHz	0.8 dB	85 dB	90 dB	7"	4	2,010.00
65546/SNC	440-512	150 W	2.00 MHz	1.8 dB	30 MHz	1.2 dB	90 dB	95 dB	4"	6	2,600.00
65676/SNC	440-512	200 W	1.60 MHz	1.6 dB	30 MHz	1.1 dB	90 dB	95 dB	7"	6	3,060.00
**********	512-650	********	PLEASE CONTACT THE FACTORY				**********				
**********	650-806	********	PLEASE CONTACT THE FACTORY				**********				
66542/SNC	806-894	150 W	45 MHz	0.6 dB	45 MHz	0.6 dB	50 dB	55 dB	4"	2	825.00
66544/SNC	806-894	150 W	45 MHz	0.7 dB	45 MHz	0.7 dB	85 dB	90 dB	4"	4	1,470.00
66546/SNC	806-894	150 W	45 MHz	0.9 dB	45 MHz	0.9 dB	95 dB	100 dB	4"	6	2,080.00
66672/SNC	806-894	200 W	45 MHz	0.6 dB	45 MHz	0.6 dB	50 dB	55 dB	7"	2	1,045.00
66674/SNC	806-894	200 W	45 MHz	0.7 dB	45 MHz	0.7 dB	85 dB	90 dB	7"	4	1,760.00
66542/SND	894-960	150 W	39 MHz	0.9 dB	39 MHz	0.6 dB	50 dB	55 dB	4"	2	825.00
66544/SND	894-960	150 W	3.6 MHz	1.6 dB	39 MHz	0.7 dB	85 dB	90 dB	4"	4	1,470.00
66546/SND	894-960	150 W	3.6 MHz	1.9 dB	39 MHz	0.9 dB	95 dB	100 dB	4"	6	2,080.00
66672/SND	894-960	200 W	39 MHz	0.7 dB	39 MHz	0.6 dB	50 dB	55 dB	7"	2	1,035.00
66674/SND	894-960	200 W	3.6 MHz	0.7 dB	39 MHz	0.7 dB	85 dB	90 dB	7"	4	1,750.00
67544/SNB	1200-1300	150 W	10 MHz	1.1 dB	50 MHz	0.8 dB	80 dB	85 dB	4"	4	1,470.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

ISO-PLEXER (ISOLATOR-DUPLEXER) APPLICATION NOTES:

- Iso-plexers include a duplexer, an isolator, a 2nd harmonicfilter and applicable mounting hardware. A low pass filter may be substituted for the 2nd harmonic filter for an additional charge of $140.00.
- Please refer to all Isolator application notes on page 3 and Duplexer application notes on page 16.
- Isolators below 155 MHz in frequency may require offset tuning; dependent on transmit power, duty cycle and operating environment.

VHF ISO-PLEXERS “PASS NOTCH”

Model Number	Frequency Band (MHz)	Input Power	Spacing vs Loss Min Space	Max Loss	Spacing vs Loss Max Space	Min Loss	Isolation (TX/RX)	Isolator Stages	Unit Price
63444/SNDI-1	66-88	50 W	0.75 MHz	1.7 dB	10 MHz	1.4 dB	80 dB	Single	3,305.00
63544/SNDI-1H	66-88	100 W	0.75 MHz	1.7 dB	10 MHz	1.4 dB	80 dB	Single	3,615.00
63444/SNDI-2	66-88	50 W	0.75 MHz	2.0 dB	10 MHz	1.4 dB	80 dB	Dual	3,720.00
63544/SNDI-2H	66-88	100 W	0.75 MHz	2.0 dB	10 MHz	1.4 dB	80 dB	Dual	4,200.00
63546/SNDI-1H	66-88	100 W	0.50 MHz	1.7 dB	10 MHz	1.8 dB	80 dB	Single	4,950.00
63546/SNDI-2H	66-88	100 W	0.50 MHz	2.0 dB	10 MHz	1.8 dB	80 dB	Dual	5,535.00
64334/ENCI-1	144-190	20 W	5.00 MHz	1.5 dB	15 MHz	1.1 dB	80 dB	Single	1,730.00
64434/ENCI-1	144-190	50 W	5.00 MHz	1.5 dB	15 MHz	1.1 dB	80 dB	Single	1,930.00
64534/ENCI-1	144-190	100 W	5.00 MHz	1.5 dB	15 MHz	1.1 dB	80 dB	Single	2,010.00
64434/ENCI-2	144-190	50 W	5.00 MHz	1.7 dB	15 MHz	1.3 dB	80 dB	Dual	2,310.00
64534/ENCI-2	144-190	100 W	5.00 MHz	1.7 dB	15 MHz	1.3 dB	80 dB	Dual	2,430.00
64336/ENCI-1	144-190	20 W	3.0 MHz	2.3 dB	15 MHz	1.5 dB	80 dB	Single	2,040.00
64436/ENCI-1	144-190	50 W	3.0 MHz	2.3 dB	15 MHz	1.5 dB	80 dB	Single	2,150.00
64536/ENCI-1	144-190	100 W	3.0 MHz	2.3 dB	15 MHz	1.5 dB	80 dB	Single	2,230.00
64436/ENCI-2	144-190	50 W	3.0 MHz	2.5 dB	15 MHz	1.7 dB	80 dB	Dual	2,525.00
64536/ENCI-2	144-190	100 W	3.0 MHz	2.5 dB	15 MHz	1.7 dB	80 dB	Dual	2,645.00
64344/SNCI-1	144-190	20 W	1.00 MHz	1.5 dB	15 MHz	1.1 dB	80 dB	Single	2,510.00
64444/SNCI-1	144-190	50 W	1.00 MHz	1.5 dB	15 MHz	1.1 dB	80 dB	Single	2,620.00
64544/SNCI-1	144-190	125 W	1.00 MHz	1.5 dB	15 MHz	1.1 dB	80 dB	Single	2,695.00
64444/SNCI-2	144-190	50 W	1.00 MHz	1.7 dB	15 MHz	1.3 dB	80 dB	Dual	3,000.00
64544/SNCI-2	144-190	125 W	1.00 MHz	1.7 dB	15 MHz	1.3 dB	80 dB	Dual	3,115.00
64474/SNCI-1	144-190	50 W	0.75 MHz	1.8 dB	15 MHz	1.1 dB	80 dB	Single	2,935.00
64574/SNCI-1	144-190	125 W	0.75 MHz	1.8 dB	15 MHz	1.1 dB	80 dB	Single	3,010.00
64674/SNCI-1	144-190	200 W	0.75 MHz	1.8 dB	15 MHz	1.1 dB	80 dB	Single	3,505.00
64474/SNCI-2	144-190	50 W	0.75 MHz	2.0 dB	15 MHz	1.3 dB	80 dB	Dual	3,315.00
64574/SNCI-2	144-190	125 W	0.75 MHz	2.0 dB	15 MHz	1.3 dB	80 dB	Dual	3,425.00
64674/SNCI-2	144-190	200 W	0.75 MHz	2.0 dB	15 MHz	1.3 dB	80 dB	Dual	4,285.00
64346/SNCI-1	144-190	20 W	0.50 MHz	2.1 dB	15 MHz	1.5 dB	90 dB	Single	3,720.00
64446/SNCI-1	144-190	50 W	0.50 MHz	2.1 dB	15 MHz	1.5 dB	90 dB	Single	3,585.00
64546/SNCI-1	144-190	125 W	0.50 MHz	2.1 dB	15 MHz	1.5 dB	90 dB	Single	3,655.00
64446/SNCI-2	144-190	50 W	0.50 MHz	2.3 dB	15 MHz	1.7 dB	90 dB	Dual	3,960.00
64546/SNCI-2	144-190	125 W	0.50 MHz	2.3 dB	15 MHz	1.7 dB	90 dB	Dual	4,070.00
64476/SNCI-1	144-190	50 W	0.30 MHz	1.9 dB	15 MHz	1.4 dB	90 dB	Single	4,025.00
64576/SNCI-1	144-190	125 W	0.30 MHz	1.9 dB	15 MHz	1.4 dB	90 dB	Single	4,095.00
64676/SNCI-1	144-190	200 W	0.30 MHz	1.9 dB	15 MHz	1.4 dB	90 dB	Single	4,590.00
64476/SNCI-2	144-190	50 W	0.30 MHz	2.1 dB	15 MHz	1.6 dB	90 dB	Dual	4,400.00
64576/SNCI-2	144-190	125 W	0.30 MHz	2.1 dB	15 MHz	1.6 dB	90 dB	Dual	4,510.00
64676/SNCI-2	144-190	200 W	0.30 MHz	2.1 dB	15 MHz	1.6 dB	90 dB	Dual	5,375.00
**********	216-300	********	PLEASE CONTACT THE FACTORY				**********		

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

ISO-PLEXER (ISOLATOR - DUPLEXER) APPLICATION NOTES;

- Please refer to all Isolator application notes on page 3, Duplexer application notes on page 16 and Iso-plexer application notes on page 18.

UHF ISO-PLEXER "PASS NOTCH"

Model Number	Frequency Band (MHz)	Input Power	Spacing vs Loss Min Space Max Loss		Spacing vs Loss Max Space Min Loss		Isolation (TX/RX)	Isolator Stages	Unit Price
**********	300-375	********	PLEASE CONTACT THE FACTORY				**********		
65334/ENCI-1	440-512	20 W	5.0 MHz	1.5 dB	30 MHz	1.1 dB	80 dB	Single	1,595.00
65434/ENCI-1	440-512	50 W	5.0 MHz	1.5 dB	30 MHz	1.1 dB	80 dB	Single	1,835.00
65534/ENCI-1	440-512	100 W	5.0 MHz	1.5 dB	30 MHz	1.1 dB	80 dB	Single	1,885.00
65434/ENCI-2	440-512	50 W	5.0 MHz	1.7 dB	30 MHz	1.3 dB	80 dB	Dual	2,250.00
65534/ENCI-2	440-512	100 W	5.0 MHz	1.7 dB	30 MHz	1.3 dB	80 dB	Dual	2,355.00
65336/ENCI-1	440-512	20 W	3.0 MHz	2.3 dB	30 MHz	1.5 dB	80 dB	Single	1,845.00
65436/ENCI-1	440-512	50 W	3.0 MHz	2.3 dB	30 MHz	1.5 dB	80 dB	Single	2,085.00
65536/ENCI-1	440-512	100 W	3.0 MHz	2.3 dB	30 MHz	1.5 dB	80 dB	Single	3,140.00
65436/ENCI-2	440-512	50 W	3.0 MHz	2.5 dB	30 MHz	1.7 dB	80 dB	Dual	2,500.00
65536/ENCI-2	440-512	100 W	3.0 MHz	2.5 dB	30 MHz	1.7 dB	80 dB	Dual	2,605.00
65344/SNCI-1	440-512	20 W	3.0 MHz	1.5 dB	30 MHz	1.1 dB	80 dB	Single	2,390.00
65444/SNCI-1	440-512	50 W	3.0 MHz	1.5 dB	30 MHz	1.1 dB	80 dB	Single	2,550.00
65544/SNCI-1	440-512	125 W	3.0 MHz	1.5 dB	30 MHz	1.1 dB	80 dB	Single	2,600.00
65674/SNCI-1	440-512	200 W	3.0 MHz	1.8 dB	30 MHz	1.1 dB	80 dB	Single	3,450.00
65444/SNCI-2	440-512	50 W	3.0 MHz	1.7 dB	30 MHz	1.3 dB	80 dB	Dual	2,965.00
65544/SNCI-2	440-512	125 W	3.0 MHz	1.7 dB	30 MHz	1.3 dB	80 dB	Dual	3,060.00
65674/SNCI-2	440-512	200 W	3.0 MHz	2.0 dB	30 MHz	1.3 dB	80 dB	Dual	4,230.00
65346/SNCI-1	440-512	20 W	2.0 MHz	2.1 dB	30 MHz	1.5 dB	90 dB	Single	3,325.00
65446/SNCI-1	440-512	50 W	2.0 MHz	2.1 dB	30 MHz	1.5 dB	90 dB	Single	3,485.00
65546/SNCI-1	440-512	125 W	2.0 MHz	2.1 dB	30 MHz	1.5 dB	90 dB	Single	3,535.00
65446/SNCI-2	440-512	50 W	2.0 MHz	2.3 dB	30 MHz	1.6 dB	90 dB	Dual	3,900.00
65546/SNCI-2	440-512	125 W	2.0 MHz	2.3 dB	30 MHz	1.6 dB	90 dB	Dual	3,995.00
**********	512-806	********	PLEASE CONTACT THE FACTORY				**********		
66442/SNCI-1	806-894	50 W	45 MHz	0.8 dB	45 MHz	0.8 dB	55 dB	Single	1,630.00
66542/SNCI-1	806-894	125 W	45 MHz	0.8 dB	45 MHz	0.8 dB	55 dB	Single	1,675.00
66442/SNCI-2	806-894	50 W	45 MHz	1.0 dB	45 MHz	1.0 dB	55 dB	Dual	2,050.00
66542/SNCI-2	806-894	125 W	45 MHz	1.0 dB	45 MHz	1.0 dB	55 dB	Dual	2,135.00
66444/SNCI-1	806-894	50 W	45 MHz	1.1 dB	45 MHz	1.1 dB	80 dB	Single	2,305.00
66544/SNCI-1	806-894	125 W	45 MHz	1.1 dB	45 MHz	1.1 dB	80 dB	Single	2,355.00
66444/SNCI-2	806-894	50 W	45 MHz	1.3 dB	45 MHz	1.3 dB	80 dB	Dual	2,725.00
66544/SNCI-2	806-894	125 W	45 MHz	1.3 dB	45 MHz	1.3 dB	80 dB	Dual	2,810.00
66444/SNDI-1	894-960	50 W	3.6 MHz	1.5 dB	36 MHz	1.1 dB	85 dB	Single	2,305.00
66544/SNDI-1	894-960	125 W	3.6 MHz	1.5 dB	36 MHz	1.1 dB	85 dB	Single	2,355.00
66444/SNDI-2	894-960	50 W	3.6 MHz	1.7 dB	36 MHz	1.3 dB	85 dB	Dual	2,725.00
66544/SNDI-2	894-960	125 W	3.6 MHz	1.7 dB	36 MHz	1.3 dB	85 dB	Dual	2,810.00
67444/SNCI-1	1200-1300	50 W	10 MHz	1.4 dB	50 MHz	1.2 dB	80 dB	Single	2,305.00
67444/SNCI-2	1200-1300	50 W	10 MHz	1.6 dB	50 MHz	1.4 dB	80 dB	Dual	2,725.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

FILTER - FERRITE TRANSMITTER COMBINER APPLICATION NOTES:

- Please refer to application notes concerning Isolators on page 3 and Cavity Resonators on page 11.
- Standard transmitter combiner input connectors are type N female. Contact the factory for available connector options.
- If combined output power exceeds 400 watts, 7/16 DIN connectors are recommended.
- Combiner insertion losses and TX-TX isolation vary according to spacing between transmit channels.
- Contact the factory for transmitter combiners with frequency bands, power levels, channel spacing or number of channels which are not listed in this brochure.
- Larger cavities are available for tighter channel spacing and higher transmit power; please contact the factory.
- Successful combiner expansion is dependent on existing and future frequencies, input powers, combiner physical format and many other factors. Please contact the factory for assistance with present and future antenna system design and engineering needs.
- In many instances field expansion of complex combining systems is impractical or impossible. Often, factory optimization of expanded combiners is desirable. Contact the factory for availability of “loaner” units and quick turnaround for “in-factory” combiner expansion, refurbishment, repair and optimization.

VHF FILTER - FERRITE “LOW LOSS” TRANSMITTER COMBINERS

Model Number	Frequency Band (MHz)	Cavity Size	No. Xmtrs	I/P Pwr. Max.	Insertion Loss Min	Insertion Loss Max	Min. Chan Spacing	Isolator Stages	Isolation TX-TX	Isolation ANT-TX	Unit Price
63411	66-88	4”	EXPANSION CHANNEL				200 KHz	Single	50+ dB	35+dB	2,055.00
63421	66-88	4”	2	50 W	1.4 dB	3.1 dB	200 KHz	Single	50+ dB	35+dB	3,600.00
63431	66-88	4”	3	50 W	1.5 dB	3.1 dB	200 KHz	Single	50+ dB	35+dB	5,530.00
63441	66-88	4”	4	50 W	1.6 dB	3.2 dB	200 KHz	Single	50+ dB	35+dB	7,310.00
63451	66-88	4”	5	50 W	1.7 dB	3.3 dB	200 KHz	Single	50+ dB	35+dB	9,090.00
63412	66-88	4”	EXPANSION CHANNEL				200 KHz	Dual	90+ dB	70+dB	2,390.00
63422	66-88	4”	2	50 W	1.9 dB	3.5 dB	200 KHz	Dual	90+ dB	70+dB	4,260.00
63432	66-88	4”	3	50 W	2.0 dB	3.6 dB	200 KHz	Dual	90+ dB	70+dB	6,525.00
63442	66-88	4”	4	50 W	2.1 dB	3.7 dB	200 KHz	Dual	90+ dB	70+dB	8,605.00
63452	66-88	4”	5	50 W	2.2 dB	3.8 dB	200 KHz	Dual	90+ dB	70+dB	10,935.00
63512/H	66-88	4”	EXPANSION CHANNEL				200 KHz	Dual	90+ dB	70+dB	3,140.00
63522/H	66-88	4”	2	100 W	1.9 dB	3.5 dB	200 KHz	Dual	90+ dB	70+dB	5,435.00
63532/H	66-88	4”	3	100 W	2.0 dB	3.6 dB	200 KHz	Dual	90+ dB	70+dB	8,275.00
63542/H	66-88	4”	4	100 W	2.1 dB	3.7 dB	200 KHz	Dual	90+ dB	70+dB	10,965.00
63552/H	66-88	4”	5	100 W	2.2 dB	3.8 dB	200 KHz	Dual	90+ dB	70+dB	13,890.00
**********	66-88	**********		150 W	PLEASE CONTACT THE FACTORY					*******	
**********	88-108	**********	PLEASE CONTACT THE FACTORY					**********			
**********	118-138	**********	PLEASE CONTACT THE FACTORY					**********			
**********	138-148	**********	PLEASE CONTACT THE FACTORY					**********			
64311/4C	148-174	4”	EXPANSION CHANNEL				300 KHz	Single	50+ dB	35+dB	1,605.00
64321/4C	148-174	4”	2	20 W	1.5 dB	2.6 dB	300 KHz	Single	50+ dB	35+dB	2,840.00
64331/4C	148-174	4”	3	20 W	1.6 dB	2.7 dB	300 KHz	Single	50+ dB	35+dB	4,200.00
64341/4C	148-174	4”	4	20 W	1.7 dB	2.8 dB	300 KHz	Single	50+ dB	35+dB	5,500.00
64351/4C	148-174	4”	5	20 W	1.8 dB	2.9 dB	300 KHz	Single	50+ dB	35+dB	7,035.00
64411/4C	148-174	4”	EXPANSION CHANNEL				300 KHz	Single	50+ dB	35+dB	1,665.00
64421/4C	148-174	4”	2	50 W	1.5 dB	2.6 dB	300 KHz	Single	50+ dB	35+dB	3,115.00
64431/4C	148-174	4”	3	50 W	1.6 dB	2.7 dB	300 KHz	Single	50+ dB	35+dB	4,280.00
64441/4C	148-174	4”	4	50 W	1.7 dB	2.8 dB	300 KHz	Single	50+ dB	35+dB	5,770.00
64451/4C	148-174	4”	5	50 W	1.8 dB	2.9 dB	300 KHz	Single	50+ dB	35+dB	7,390.00
64461/4C	148-174	4”	6	50 W	2.0 dB	3.0 dB	300 KHz	Single	50+ dB	35+dB	8,730.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

FILTER - FERRITE TRANSMITTER COMBINER APPLICATION NOTES:

- Please refer to all Isolator (page 3), Cavity Resonators (page 11) and Filter - Ferrite transmitter combiner application notes (page 20).

VHF FILTER - FERRITE “LOW LOSS” TRANSMITTER COMBINERS

Model Number	Frequency Band (MHz)	Cavity Size	No. Xmtrs	I/P Pwr. Max.	Insertion Loss Min	Insertion Loss Max	Min. Chan Spacing	Isolator Stages	Isolation TX-TX	Isolation ANT-TX	Unit Price
64412/4C	148-174	4”	EXPANSION CHANNEL				300 KHz	Dual	90+ dB	70+ dB	2,175.00
64422/4C	148-174	4”	2	50 W	1.7 dB	2.8 dB	300 KHz	Dual	90+ dB	70+ dB	3,900.00
64432/4C	148-174	4”	3	50 W	1.8 dB	2.9 dB	300 KHz	Dual	90+ dB	70+ dB	5,860.00
64442/4C	148-174	4”	4	50 W	1.9 dB	3.0 dB	300 KHz	Dual	90+ dB	70+ dB	7,670.00
64452/4C	148-174	4”	5	50 W	2.0 dB	3.1 dB	300 KHz	Dual	90+ dB	70+ dB	9,605.00
64462/4C	148-174	4”	6	50 W	2.2 dB	3.2 dB	300 KHz	Dual	90+ dB	70+ dB	11,265.00
64512/4C	148-174	4”	EXPANSION CHANNEL				300 KHz	Dual	90+ dB	70+ dB	2,360.00
64522/4C	148-174	4”	2	125 W	1.7 dB	2.8 dB	300 KHz	Dual	90+ dB	70+ dB	4,110.00
64532/4C	148-174	4”	3	125 W	1.8 dB	2.9 dB	300 KHz	Dual	90+ dB	70+ dB	6,225.00
64542/4C	148-174	4”	4	125 W	1.9 dB	3.0 dB	300 KHz	Dual	90+ dB	70+ dB	8,125.00
64552/4C	148-174	4”	5	125 W	2.0 dB	3.1 dB	300 KHz	Dual	90+ dB	70+ dB	9,905.00
64562/4C	148-174	4”	6	125 W	2.2 dB	3.2 dB	300 KHz	Dual	90+ dB	70+ dB	11,780.00
**********	174-216	**********	PLEASE CONTACT THE FACTORY					*********			
**********	216-300	**********	PLEASE CONTACT THE FACTORY					*********			

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

FILTER - FERRITE TRANSMITTER COMBINER APPLICATION NOTES:

- Please refer to all Isolator (page 3), Cavity Resonators (page 11) and Filter - Ferrite transmitter combiner application notes (page 20).
- UHF Filter - Ferrite transmitter combiners from 300-650 are separated into 5 separate frequency groupings not shown below: A (300-375 MHz), B (375-440 MHZ), C (440-512 MHz), D (512-580 MHz) and E (580-650 MHz). These frequency designators are to be included after the "7" in the model number (i.e. 65311/7C for a combiner with transmit frequencies between 440-512 MHz).

UHF FILTER - FERRITE "LOW LOSS" TRANSMITTER COMBINERS

Model Number	Frequency Band (MHz)	Cavity Size	No. Xmtrs	I/P Pwr. Max.	Insertion Loss Min	Insertion Loss Max	Min. Chan Spacing	Isolator Stages	Isolation TX-TX	Isolation ANT-TX	Unit Price
65411/7	300-650	7"	EXPANSION CHANNEL				300 KHz	Single	50+ dB	35+ dB	1,785.00
65421/7	300-650	7"	2	50 W	1.5 dB	2.1 dB	300 KHz	Single	50+ dB	35+ dB	2,930.00
65431/7	300-650	7"	3	50 W	1.7 dB	2.3 dB	300 KHz	Single	50+ dB	35+ dB	4,350.00
65441/7	300-650	7"	4	50 W	1.9 dB	2.5 dB	300 KHz	Single	50+ dB	35+ dB	5,740.00
65451/7	300-650	7"	5	50 W	2.1 dB	2.7 dB	300 KHz	Single	50+ dB	35+ dB	7,370.00
65461/7	300-650	7"	6	50 W	2.3 dB	2.9 dB	300 KHz	Single	50+ dB	35+ dB	8,760.00
65471/7	300-650	7"	7	50 W	2.5 dB	3.1 dB	300 KHz	Single	50+ dB	35+ dB	10,240.00
65481/7	300-650	7"	8	50 W	2.7 dB	3.3 dB	300 KHz	Single	50+ dB	35+ dB	11,625.00
65412/7	300-650	7"	EXPANSION CHANNEL				300 KHz	Dual	90+ dB	70+ dB	2,240.00
65422/7	300-650	7"	2	50 W	1.7 dB	2.3 dB	300 KHz	Dual	90+ dB	70+ dB	4,050.00
65432/7	300-650	7"	3	50 W	1.9 dB	2.5 dB	300 KHz	Dual	90+ dB	70+ dB	5,950.00
65442/7	300-650	7"	4	50 W	2.1 dB	2.7 dB	300 KHz	Dual	90+ dB	70+ dB	7,915.00
65452/7	300-650	7"	5	50 W	2.3 dB	2.9 dB	300 KHz	Dual	90+ dB	70+ dB	9,845.00
65462/7	300-650	7"	6	50 W	2.5 dB	3.1 dB	300 KHz	Dual	90+ dB	70+ dB	11,625.00
65472/7	300-650	7"	7	50 W	2.7 dB	3.3 dB	300 KHz	Dual	90+ dB	70+ dB	13,435.00
65482/7	300-650	7"	8	50 W	2.9 dB	3.5 dB	300 KHz	Dual	90+ dB	70+ dB	15,190.00
65512/7	300-650	7"	EXPANSION CHANNEL				300 KHz	Dual	90+ dB	70+ dB	2,360.00
65522/7	300-650	7"	2	125 W	1.7 dB	2.3 dB	300 KHz	Dual	90+ dB	70+ dB	4,290.00
65532/7	300-650	7"	3	125 W	1.9 dB	2.5 dB	300 KHz	Dual	90+ dB	70+ dB	6,280.00
65542/7	300-650	7"	4	125 W	2.1 dB	2.7 dB	300 KHz	Dual	90+ dB	70+ dB	8,010.00
65552/7	300-650	7"	5	125 W	2.3 dB	2.9 dB	300 KHz	Dual	90+ dB	70+ dB	10,360.00
65562/7	300-650	7"	6	125 W	2.5 dB	3.1 dB	300 KHz	Dual	90+ dB	70+ dB	12,290.00
65572/7	300-650	7"	7	125 W	2.7 dB	3.3 dB	300 KHz	Dual	90+ dB	70+ dB	14,160.00
65582/7	300-650	7"	8	125 W	2.9 dB	3.5 dB	300 KHz	Dual	90+ dB	70+ dB	16,035.00
65422/7(DC)	300-650	7"	2	50 W	2.5 dB	3.8 dB	200 KHz	Dual	90+ dB	70+ dB	5,380.00
65432/7(DC)	300-650	7"	3	50 W	2.7 dB	3.9 dB	200 KHz	Dual	90+ dB	70+ dB	8,035.00
65442/7(DC)	300-650	7"	4	50 W	2.9 dB	4.0 dB	200 KHz	Dual	90+ dB	70+ dB	10,690.00
65452/7(DC)	300-650	7"	5	50 W	3.0 dB	4.1 dB	200 KHz	Dual	90+ dB	70+ dB	13,165.00
65522/7(DC)	300-650	7"	2	125 W	2.5 dB	3.8 dB	200 KHz	Dual	90+ dB	70+ dB	5,590.00
65532/7(DC)	300-650	7"	3	125 W	2.7 dB	3.9 dB	200 KHz	Dual	90+ dB	70+ dB	8,365.00
65542/7(DC)	300-650	7"	4	125 W	2.9 dB	4.0 dB	200 KHz	Dual	90+ dB	70+ dB	11,110.00
65552/7(DC)	300-650	7"	5	125 W	3.0 dB	4.1 dB	200 KHz	Dual	90+ dB	70+ dB	13,710.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

FILTER - FERRITE TRANSMITTER COMBINER APPLICATION NOTES:

- Please refer to all Isolator (page 3), Cavity Resonators (page 11) and Filter - Ferrite transmitter combiner application notes (page 20).

800 SMR AND CELLULAR FILTER - FERRITE TRANSMITTER COMBINERS

Model Number	Frequency Band (MHz)	Cavity Size	No. Xmtrs	I/P Pwr. Max.	Insertion Loss Min	Insertion Loss Max	Min. Chan Spacing	Isolator Stages	Isolation TX-TX	Isolation ANT-TX	Unit Price
66412/7C	806-894	7”	EXPANSION CHANNEL				500 KHz	Dual	90+ dB	70+ dB	2,415.00
66422/7C	806-894	7”	2	50 W	1.5 dB	2.4 dB	500 KHz	Dual	90+ dB	70+ dB	4,290.00
66432/7C	806-894	7”	3	50 W	1.7 dB	2.6 dB	500 KHz	Dual	90+ dB	70+ dB	6,315.00
66442/7C	806-894	7”	4	50 W	1.9 dB	2.8 dB	500 KHz	Dual	90+ dB	70+ dB	8,365.00
66452/7C	806-894	7”	5	50 W	2.1 dB	3.0 dB	500 KHz	Dual	90+ dB	70+ dB	10,690.00
66462/7C	806-894	7”	6	50 W	2.3 dB	3.2 dB	500 KHz	Dual	90+ dB	70+ dB	12,625.00
66472/7C	806-894	7”	7	50 W	2.5 dB	3.4 dB	500 KHz	Dual	90+ dB	70+ dB	14,555.00
66482/7C	806-894	7”	8	50 W	2.7 dB	3.6 dB	500 KHz	Dual	90+ dB	70+ dB	16,610.00
66492/7C	806-894	7”	9	50 W	2.8 dB	3.4 dB	500 KHz	Dual	90+ dB	70+ dB	18,340.00
66402/7C	806-894	7”	10	50 W	2.9 dB	3.6 dB	500 KHz	Dual	90+ dB	70+ dB	20,350.00
66512/7C	806-894	7”	EXPANSION CHANNEL				500 KHz	Dual	90+ dB	70+ dB	2,540.00
66522/7C	806-894	7”	2	125 W	1.5 dB	2.4 dB	500 KHz	Dual	90+ dB	70+ dB	4,500.00
66532/7C	806-894	7”	3	125 W	1.7 dB	2.6 dB	500 KHz	Dual	90+ dB	70+ dB	6,675.00
66542/7C	806-894	7”	4	125 W	1.9 dB	2.8 dB	500 KHz	Dual	90+ dB	70+ dB	8,790.00
66552/7C	806-894	7”	5	125 W	2.1 dB	3.0 dB	500 KHz	Dual	90+ dB	70+ dB	11,265.00
66562/7C	806-894	7”	6	125 W	2.3 dB	3.2 dB	500 KHz	Dual	90+ dB	70+ dB	13,420.00
66572/7C	806-894	7”	7	115 W	2.5 dB	3.4 dB	500 KHz	Dual	90+ dB	70+ dB	15,370.00
66572-6/7C	806-894	7”	7	125 W	2.5 dB	3.4 dB	500 KHz	Dual	90+ dB	70+ dB	16,305.00
66582/7C	806-894	7”	8	100 W	2.7 dB	3.6 dB	500 KHz	Dual	90+ dB	70+ dB	17,485.00
66582-6/7C	806-894	7”	8	125 W	2.7 dB	3.6 dB	500 KHz	Dual	90+ dB	70+ dB	18,420.00
66592/7C	806-894	7”	9	90 W	2.8 dB	3.4 dB	500 KHz	Dual	90+ dB	70+ dB	19,505.00
66592-6/7C	806-894	7”	9	125 W	2.8 dB	3.4 dB	500 KHz	Dual	90+ dB	70+ dB	20,440.00
66502/7C	806-894	7”	10	80 W	2.9 dB	3.6 dB	500 KHz	Dual	90+ dB	70+ dB	21,470.00
66502-6/7C	806-894	7”	10	125 W	2.9 dB	3.6 dB	500 KHz	Dual	90+ dB	70+ dB	22,375.00

PAGING & 900 SMR FILTER - FERRITE TRANSMITTER COMBINERS

Model Number	Frequency Band (MHz)	Cavity Size	No. Xmtrs	I/P Pwr. Max.	Insertion Loss Min	Insertion Loss Max	Min. Chan Spacing	Isolator Stages	Isolation TX-TX	Isolation ANT-TX	Unit Price
66512/7D	894-960	7”	EXPANSION CHANNEL				500 KHz	Dual	90+ dB	70+ dB	2,540.00
66522/7D	894-960	7”	2	125 W	1.5 dB	2.4 dB	500 KHz	Dual	90+ dB	70+ dB	4,500.00
66532/7D	894-960	7”	3	125 W	1.7 dB	2.6 dB	500 KHz	Dual	90+ dB	70+ dB	6,675.00
66542/7D	894-960	7”	4	125 W	1.9 dB	2.8 dB	500 KHz	Dual	90+ dB	70+ dB	8,790.00
66552/7D	894-960	7”	5	125 W	2.1 dB	3.0 dB	500 KHz	Dual	90+ dB	70+ dB	11,265.00
66562/7D	894-960	7”	6	125 W	2.3 dB	3.2 dB	500 KHz	Dual	90+ dB	70+ dB	13,315.00
66572/7D	894-960	7”	7	115 W	2.5 dB	3.4 dB	500 KHz	Dual	90+ dB	70+ dB	15,400.00
66572-6/7D	894-960	7”	7	125 W	2.5 dB	3.4 dB	500 KHz	Dual	90+ dB	70+ dB	16,305.00
66582/7D	894-960	7”	8	100 W	2.7 dB	3.6 dB	500 KHz	Dual	90+ dB	70+ dB	17,510.00
66582-6/7D	894-960	7”	8	125 W	2.7 dB	3.6 dB	500 KHz	Dual	90+ dB	70+ dB	18,355.00
66592/7D	894-960	7”	9	90 W	2.8 dB	3.4 dB	500 KHz	Dual	90+ dB	70+ dB	19,505.00
66592-6/7D	894-960	7”	9	125 W	2.8 dB	3.4 dB	500 KHz	Dual	90+ dB	70+ dB	20,410.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

HYBRID - FERRITE TRANSMITTER COMBINER APPLICATION NOTES:

- Please refer to all Isolator notes on page 3.
- Hybrid combiners below 155 MHz may require offset tuning of the isolators dependent on the transmit power levels, exact operating frequency, duty cycle and operating environment.
- Hybrid combiners with ferrite isolators also include 2nd harmonic filters. Models with more than 2 channels include all cabling internal to the Hybrid Combiner.
- Hybrid combiners rated at 250 watts require forced air cooling fans (models with an “F”) for operations exceeding 50% duty cycle (1 minute on and 1 minute off).
- Standard hybrid combiners have type N Female connectors on all ports. BNC Female connectors are available for applications below 50 watts: please contact the factory.
- Transmitter - to - transmitter isolations given below are minimum when hybrid(s) are matched to the antenna system per instructions provided.
- Hybrid combiners are available from 2 to 16 channels and higher power levels than those listed; please contact the factory.
- Hybrid combiners can be equipped with band pass and/or pass notch cavity resonators for transmitter wide band noise suppression.

VHF HYBRID - FERRITE TRANSMITTER COMBINERS

Model Number	Frequency Band (MHz)	No. Xmtrs	Input Pwr.	Insertion Loss	Isolator Stages	Isolation TX-TX	Isolation ANT-TX	Required Rack Units	Unit Price
23421	66-88	2	50 W	3.7 dB	Single	65 dB	35+ dB	2	2,810.00
23422	66-88	2	50 W	4.0 dB	Dual	100 dB	70+ dB	2	3,625.00
23441	66-88	4	50 W	6.8 dB	Single	65 dB	35+ dB	6	6,435.00
23442	66-88	4	50 W	7.0 dB	Dual	100 dB	70+ dB	6	8,065.00
23521/H	66-88	2	100 W	3.7 dB	Single	65 dB	35+ dB	2	3,625.00
23522/H	66-88	2	100 W	4.0 dB	Dual	100 dB	70+ dB	2	4,805.00
23541/H	66-88	4	100 W	6.8 dB	Single	65 dB	35+ dB	6	8,275.00
23542/H	66-88	4	100 W	7.0 dB	Dual	100 dB	70+ dB	6	10,660.00
24321	134-225	2	20 W	3.7 dB	Single	65 dB	35+ dB	2	1,995.00
24341	134-225	4	20 W	6.8 dB	Single	65 dB	35+ dB	2	3,445.00
24421	134-225	2	50 W	3.7 dB	Single	65 dB	35+ dB	2	2,540.00
24422	134-225	2	50 W	4.0 dB	Dual	100 dB	70+ dB	2	3,325.00
24441	134-225	4	50 W	6.8 dB	Single	65 dB	35+ dB	6	5,895.00
24442	134-225	4	50 W	7.0 dB	Dual	100 dB	70+ dB	6	7,430.00
24521	134-225	2	125 W	3.7 dB	Single	65 dB	35+ dB	2	2,900.00
24522	134-225	2	125 W	4.0 dB	Dual	100 dB	70+ dB	2	3,745.00
24541	134-225	4	125 W	6.8 dB	Single	65 dB	35+ dB	6	6,825.00
24542	134-225	4	125 W	7.0 dB	Dual	100 dB	70+ dB	6	8,485.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

HYBRID - FERRITE TRANSMITTER COMBINER APPLICATION NOTES:

- Please refer to all Isolator application notes on page 3 and Hybrid - Ferrite transmitter combiner application notes on page 24.

UHF HYBRID - FERRITE TRANSMITTER COMBINERS

Model Number	Frequency Band (MHz)	No. Xmtrs	Input Pwr.	Insertion Loss	Isolator Stages	Isolation TX-TX	Isolation ANT-TX	Required Rack Units	Unit Price
25321	300-650	2	20 W	3.7 dB	Single	65 dB	35+ dB	2	1,815.00
25341	300-650	4	20 W	6.8 dB	Single	65 dB	35+ dB	2	3,140.00
25421	300-650	2	50 W	3.7 dB	Single	65 dB	35+ dB	2	2,450.00
25422	300-650	2	50 W	4.0 dB	Dual	100 dB	70+ dB	2	3,325.00
25441	300-650	4	50 W	6.8 dB	Single	65 dB	35+ dB	6	5,710.00
25442	300-650	4	50 W	7.0 dB	Dual	100 dB	70+ dB	6	7,400.00
25521	300-650	2	125 W	3.7 dB	Single	65 dB	35+ dB	2	2,810.00
25522	300-650	2	125 W	4.0 dB	Dual	100 dB	70+ dB	2	3,720.00
25541	300-650	4	125 W	6.8 dB	Single	65 dB	35+ dB	6	6,585.00
25542	300-650	4	125 W	7.0 dB	Dual	100 dB	70+ dB	6	8,395.00
25521/H	300-650	2	150 W	3.7 dB	Single	65 dB	35+ dB	2	3,050.00
25522/H	300-650	2	150 W	4.0 dB	Dual	100 dB	70+ dB	2	3,985.00
25541/H	300-650	4	150 W	6.8 dB	Single	65 dB	35+ dB	6	7,160.00
25542/H	300-650	4	150 W	7.0 dB	Dual	100 dB	70+ dB	6	9,030.00
26321	650-1000	2	20 W	3.7 dB	Single	65 dB	35+ dB	2	3,150.00
26341	650-1000	4	20 W	6.8 dB	Single	65 dB	35+ dB	3	3,930.00
26421	650-1000	2	50 W	3.7 dB	Single	65 dB	35+ dB	2	2,510.00
26422	650-1000	2	50 W	4.0 dB	Dual	100 dB	70+ dB	2	3,385.00
26441	650-1000	4	50 W	6.8 dB	Single	65 dB	35+ dB	6	5,620.00
26442	650-1000	4	50 W	7.0 dB	Dual	100 dB	70+ dB	6	7,550.00
26521	650-1000	2	125 W	3.7 dB	Single	65 dB	35+ dB	2	2,875.00
26522	650-1000	2	125 W	4.0 dB	Dual	100 dB	70+ dB	2	3,775.00
26541	650-1000	4	125 W	6.8 dB	Single	65 dB	35+ dB	6	6,765.00
26542	650-1000	4	125 W	7.0 dB	Dual	100 dB	70+ dB	6	8,575.00
26521/H	650-1000	2	150 W	3.7 dB	Single	65 dB	35+ dB	2	3,295.00
26522/H	650-1000	2	150 W	4.0 dB	Dual	100 dB	70+ dB	2	4,050.00
26541/H	650-1000	4	150 W	6.8 dB	Single	65 dB	35+ dB	6	7,340.00
26542/H	650-1000	4	150 W	7.0 dB	Dual	100 dB	70+ dB	6	9,180.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

RECEIVER MULTICOUPLERS APPLICATION NOTES:

- Multicouplers are supplied complete, pretuned and ready for installation. Standard components include preselector, adjustable gain amplifier, receiver signal power divider(s), 115 VAC power supply, chassis mounting tray, 19" relay rack panel, wiring, hardware and jumper cables as requires. Multicoupler components can be purchased separately.
- Multicouplers, with up to 8 ports, are mounted on a 5.25" x 19" x 10" relay rack panel and chassis. Multicouplers with greater than 8 ports require additional relay rack panels. Contact the factory for available connector options.
- Standard antenna input connectors are Type N Female. Contact the factory for available connector options.
- Multicoupler options include include 240 VAC, 12, 24 & 48 VDC power supplies, specialized preselectors.
- Multicoupler options and accessories can be found on pages 32-34.

HIGH PERFORMANCE VHF RECEIVER MULTICOUPLERS

Model Number	Frequency Band (MHz)	Preselector Bandwidth	Preamp Gain	Number of Resonators	Primary Voltages	No. of Receivers	Connectors Input	Connectors Output	Unit Price
23102-1/P-5	66-88	3-8 MHz	30+ dB	5	115 VAC	2	N	BNC	2,185.00
23102-0/P-5	66-88	3-8 MHz	30+ dB	5	115 VAC	2	N	N	2,215.00
23104-1/P-5	66-88	3-8 MHz	30+ dB	5	115 VAC	3-4	N	BNC	2,215.00
23104-0/P-5	66-88	3-8 MHz	30+ dB	5	115 VAC	3-4	N	N	2,305.00
23108-1/P-5	66-88	3-8 MHz	30+ dB	5	115 VAC	5-8	N	BNC	2,450.00
23108-0/P-5	66-88	3-8 MHz	30+ dB	5	115 VAC	5-8	N	N	2,540.00
23112-1/P-5	66-88	3-8 MHz	30+ dB	5	115 VAC	9-12	N	BNC	3,245.00
23112-0/P-5	66-88	3-8 MHz	30+ dB	5	115 VAC	9-12	N	N	3,450.00
23116-1/P-5	66-88	3-8 MHz	30+ dB	5	115 VAC	13-16	N	BNC	3,365.00
23116-0/P-5	66-88	3-8 MHz	30+ dB	5	115 VAC	13-16	N	N	3,630.00
24102-1/P-5	138-225	3-8 MHz	30+ dB	5	115 VAC	2	N	BNC	2,185.00
24102-0/P-5	138-225	3-8 MHz	30+ dB	5	115 VAC	2	N	N	2,215.00
24104-1/P-5	138-225	3-8 MHz	30+ dB	5	115 VAC	3-4	N	BNC	2,215.00
24104-0/P-5	138-225	3-8 MHz	30+ dB	5	115 VAC	3-4	N	N	2,305.00
24108-1/P-5	138-225	3-8 MHz	30+ dB	5	115 VAC	5-8	N	BNC	2,450.00
24108-0/P-5	138-225	3-8 MHz	30+ dB	5	115 VAC	5-8	N	N	2,540.00
24112-1/P-5	138-225	3-8 MHz	30+ dB	5	115 VAC	9-12	N	BNC	3,215.00
24112-0/P-5	138-225	3-8 MHz	30+ dB	5	115 VAC	9-12	N	N	3,420.00
24116-1/P-5	138-225	3-8 MHz	30+ dB	5	115 VAC	13-16	N	BNC	3,335.00
24116-0/P-5	138-225	3-8 MHz	30+ dB	5	115 VAC	13-16	N	N	3,570.00

HIGH PERFORMANCE UHF RECEIVER MULTICOUPLERS

Model Number	Frequency Band (MHz)	Preselector Bandwidth	Preamp Gain	Number of Resonators	Primary Voltages	No. of Receivers	Connectors Input	Connectors Output	Unit Price
25102-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	2	N	BNC	2,125.00
25102-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	2	N	N	2,155.00
25104-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	3-4	N	BNC	2,155.00
25104-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	3-4	N	N	2,215.00
25108-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	5-8	N	BNC	2,360.00
25108-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	5-8	N	N	2,510.00
25112-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	9-12	N	BNC	3,160.00
25112-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	9-12	N	N	3,395.00
25116-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	13-16	N	BNC	3,305.00
25116-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	13-16	N	N	3,540.00
25124-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	17-24	N	BNC	4,100.00
25124-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	17-24	N	N	4,480.00
25132-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	25-32	N	BNC	4,545.00
25132-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	25-32	N	N	5,045.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

RECEIVER MULTICOUPLERS APPLICATION NOTES:

- Please refer to all receiver multicoupler application notes on page 26.

HIGH PERFORMANCE UHF RECEIVER MULTICOUPLERS

Model Number	Frequency Band (MHz)	Preselector Bandwidth	Preamp Gain	Number of Resonators	Primary Voltages	No. of Receivers	Connectors Input	Connectors Output	Unit Price
25108-1/DP-5	300-512	3-4 MHz	30+ dB	5	115 VAC	5-8	N	BNC	3,655.00
25108-0/DP-5	300-512	3-4 MHz	30+ dB	5	115 VAC	5-8	N	N	3,775.00
25112-1/DP-5	300-512	3-4 MHz	30+ dB	5	115 VAC	9-12	N	BNC	4,455.00
25112-0/DP-5	300-512	3-4 MHz	30+ dB	5	115 VAC	9-12	N	N	4,660.00
25116-1/DP-5	300-512	3-4 MHz	30+ dB	5	115 VAC	13-16	N	BNC	4,575.00
25116-0/DP-5	300-512	3-4 MHz	30+ dB	5	115 VAC	13-16	N	N	4,835.00
25124-1/DP-5	300-512	3-4 MHz	30+ dB	5	115 VAC	17-24	N	BNC	5,370.00
25124-0/DP-5	300-512	3-4 MHz	30+ dB	5	115 VAC	17-24	N	N	5,750.00
25132-1/DP-5	300-512	3-4 MHz	30+ dB	5	115 VAC	25-32	N	BNC	5,810.00
25132-0/DP-5	300-512	3-4 MHz	30+ dB	5	115 VAC	25-32	N	N	6,310.00

HIGH PERFORMANCE 800 SMR TRUNKING & CELLULAR RECEIVER MULTICOUPLERS

Model Number	Frequency Band (MHz)	Preselector Bandwidth	Preamp Gain	Number of Resonators	Primary Voltages	No. of Receivers	Connectors Input	Connectors Output	Unit Price
26102-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	2	N	BNC	2,240.00
26102-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	2	N	N	2,305.00
26104-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	3-4	N	BNC	2,305.00
26104-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	3-4	N	N	2,335.00
26108-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	5-8	N	BNC	2,540.00
26108-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	5-8	N	N	2,630.00
26112-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	9-12	N	BNC	3,160.00
26112-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	9-12	N	N	3,395.00
26116-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	13-16	N	BNC	3,305.00
26116-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	13-16	N	N	3,540.00
26124-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	17-24	N	BNC	4,100.00
26124-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	17-24	N	N	4,480.00
26132-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	25-32	N	BNC	4,545.00
26132-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	25-32	N	N	5,045.00
26148-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	33-48	N	BNC	5,990.00
26148-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	33-48	N	N	6,900.00
26164-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	49-64	N	BNC	7,135.00
26164-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	49-64	N	N	8,135.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

RECEIVER MULTICOUPLERS APPLICATION NOTES:

- Please refer to all receiver multicoupler application notes on page 26.

HIGH PERFORMANCE 900 SMR TRUNKING & CELLULAR RECEIVER MULTICOUPLERS

Model Number	Frequency Band (MHz)	Preselector Bandwidth	Preamp Gain	Number of Resonators	Primary Voltages	No. of Receivers	Connectors Input	Connectors Output	Unit Price
26102-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	2	N	BNC	2,240.00
26102-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	2	N	N	2,335.00
26104-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	3-4	N	BNC	2,335.00
26104-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	3-4	N	N	2,360.00
26108-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	5-8	N	BNC	2,543.00
26108-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	5-8	N	N	2,625.00
26112-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	9-12	N	BNC	3,185.00
26112-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	9-12	N	N	3,395.00
26116-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	13-16	N	BNC	3,305.00
26116-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	13-16	N	N	3,570.00
26124-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	17-24	N	BNC	4,100.00
26124-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	17-24	N	N	4,480.00
26132-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	25-32	N	BNC	4,545.00
26132-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	25-32	N	N	5,045.00
26148-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	33-48	N	BNC	5,990.00
26148-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	33-48	N	N	6,930.00
26164-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	49-64	N	BNC	7,135.00
26164-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	49-64	N	N	8,135.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

TOWER TOP RECEIVER MULTICOUPLER APPLICATION NOTES:

- Tower top multicouplers are supplied complete - pretuned and ready for installation.
- Standard tower mounted components include preselector, adjustable gain amplifier, DC pick-off with lightening protection and a weather resistant aluminum NEMA enclosure with N Female input/output connectors and 2" saddle mast mounting brackets.
- Standard multicoupler components include 115 VAC 1/2 amp power supply, DC injector, power divider(s), chassis mounting tray, relay rack panel, wiring, hardware and jumper cables as required.
- Multicoupler Master Divider Panels with up to 8 ports are supplied on a 3.5" x 19" x 10" relay rack panel and chassis as standard. One rack unit (1.75" x 19" x 10") panel chassis are available. Multicouplers with greater than 8 ports require additional relay rack panels. Contact the factory for multiple channel receiver power divider mounting options.
- Standard antenna input connectors are type N Female. Contact the factory for available connector options.
- Multicoupler options include 240 VAC and 12, 24 & 48 VDC power supplies, specialized preselectors. Multicoupler accessories can be found on page 31 - 33.

HIGH PERFORMANCE UHF TOWER TOP RECEIVER MULTICOUPLERS

Model Number	Frequency Band (MHz)	Preselector Bandwidth	Preamp Gain	Number of Resonators	Primary Voltages	No. of Receivers	Connectors Input	Connectors Output	Unit Price
95102-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	2	N	BNC	4,895.00
95102-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	2	N	N	4,925.00
95104-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	3-4	N	BNC	4,925.00
95104-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	3-4	N	N	4,985.00
95108-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	5-8	N	BNC	5,170.00
95108-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	5-8	N	N	5,290.00
95112-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	9-12	N	BNC	5,980.00
95112-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	9-12	N	N	6,190.00
95116-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	13-16	N	BNC	6,135.00
95116-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	13-16	N	N	6,375.00
95124-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	17-24	N	BNC	6,915.00
95124-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	17-24	N	N	7,310.00
95132-1/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	25-32	N	BNC	7,370.00
95132-0/P-5	300-512	3-10 MHz	30+ dB	5	115 VAC	25-32	N	N	7,915.00

HIGH PERFORMANCE UHF DUAL PASS TOWER TOP RECEIVER MULTICOUPLERS

Model Number	Frequency Band (MHz)	Preselector Bandwidth	Preamp Gain	Number of Resonators	Primary Voltages	No. of Receivers	Connectors Input	Connectors Output	Unit Price
95108-1/DP-5	300-512	3 to 4 MHz	30+ dB	5	115 VAC	5-8	N	BNC	6,765.00
95108-0/DP-5	300-512	3 to 4 MHz	30+ dB	5	115 VAC	5-8	N	N	6,860.00
95112-1/DP-5	300-512	3 to 4 MHz	30+ dB	5	115 VAC	9-12	N	BNC	7,550.00
95112-0/DP-5	300-512	3 to 4 MHz	30+ dB	5	115 VAC	9-12	N	N	7,795.00
95116-1/DP-5	300-512	3 to 4 MHz	30+ dB	5	115 VAC	13-16	N	BNC	7,705.00
95116-0/DP-5	300-512	3 to 4 MHz	30+ dB	5	115 VAC	13-16	N	N	7,945.00
95124-1/DP-5	300-512	3 to 4 MHz	30+ dB	5	115 VAC	17-24	N	BNC	8,455.00
95124-0/DP-5	300-512	3 to 4 MHz	30+ dB	5	115 VAC	17-24	N	N	8,880.00
95132-1/DP-5	300-512	3 to 4 MHz	30+ dB	5	115 VAC	25-32	N	BNC	8,910.00
95132-0/DP-5	300-512	3 to 4 MHz	30+ dB	5	115 VAC	25-32	N	N	9,420.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

TOWER TOP MULTICOUPLER APPLICATION NOTES:

- Please refer to all tower top receiver multicoupler application notes on page 29.

HIGH PERFORMANCE 800 & 900 SMR TRUNKING TOWER TOP RECEIVER MULTICOUPLERS

Model Number	Frequency Band (MHz)	Preselector Bandwidth	Preamp Gain	Number of Resonators	Primary Voltages	No. of Receivers	Connectors Input	Connectors Output	Unit Price
96104-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	3-4	N	BNC	5,100.00
96104-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	3-4	N	N	5,135.00
96108-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	5-8	N	BNC	5,315.00
96108-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	5-8	N	N	5,410.00
96112-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	9-12	N	BNC	6,135.00
96112-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	9-12	N	N	6,345.00
96116-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	13-16	N	BNC	6,255.00
96116-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	13-16	N	N	6,525.00
96124-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	17-24	N	BNC	7,035.00
96124-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	17-24	N	N	7,460.00
96132-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	25-32	N	BNC	7,490.00
96132-0-P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	25-32	N	N	8,005.00
96148-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	33-48	N	BNC	9,000.00
96148-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	33-48	N	N	9,935.00
96164-1/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	49-64	N	BNC	10,120.00
96164-0/P-5C	806-894	3-15 MHz	28+ dB	5	115 VAC	49-64	N	N	11,175.00
96104-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	3-4	N	BNC	5,075.00
96104-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	3-4	N	N	5,135.00
96108-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	5-8	N	BNC	5,315.00
96108-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	5-8	N	N	5,410.00
96112-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	9-12	N	BNC	6,135.00
96112-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	9-12	N	N	6,345.00
96116-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	13-16	N	BNC	6,255.00
96116-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	13-16	N	N	6,525.00
96124-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	17-24	N	BNC	7,035.00
96124-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	17-24	N	N	7,460.00
96132-1/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	25-32	N	BNC	7,490.00
96132-0/P-5D	894-960	3-15 MHz	28+ dB	5	115 VAC	25-32	N	N	8,005.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

MULTICOUPLER OPTION APPLICATION NOTES:

- Tower Top Multicoupler and standard multicoupler options require changes or addendum's to the model numbers as shown below. Example: Model 96018-1/P-5CH (standard 8 port SMR Tower Top Multicoupler) with the addition of lightening protection becomes 96108-1/P-5CH(S)

TOWER TOP AND RECEIVER MULTICOUPLER AVAILABLE OPTIONS

Modification to Model Number	Description	Addt'l Cost to Multicoupler
Change P-5 to P-6	6 Section Preselector (406-960 MHz Only)	105.00
Add (02)	230 VAC Primary Voltage Source	0.00
Add (03)	12 VDC Regulator 1/2 amp assembly	0.00
Add (11)	115 VAC Primary Voltage Source, 1 amp DC output current	315.00
Add (S)	Lightening Protection (Tower Top only, includes 1 Lightening Protector)	265.00
Add (ATS)	Pin diode attenuator, separate from amplifier (variable attenuator)	305.00
Add (ST)	Change a Tower Top Nema enclosure from aluminum to stainless steel	NET 905.00

AMPLIFIER APPLICATION NOTES:

- Standard models come equipped with BNC Female connectors on input and output. Other connectors are available; please contact the factory with your requirements.

Model Number	**204316/2A**				**$ 590.00**
Frequency Band (MHz)	**40 - 512**				
Pin Diode	**Yes**				
VSWR Output (min.) / Input	**1.6:1 / 1.2:1**				
Bias Voltage	**13.6 VDC**				
Current	**200 mA**				
Gain	**33 dB @ 40 MHz**	**37 dB @ 88 MHz**	**38 dB @ 160 MHz**	**35 dB @ 300 MHz**	**31 dB @ 470 MHz**
Noise Figure	**3.5**	**3.5**	**3.5**	**3.5**	**3.5**
1 dB Comp	**+21 dBm**	**+21 dBm**	**+21 dBm**	**+21 dBm**	**+21 dBm**
3rd Order Intercept	**+42 dBm**	**+42 dBm**	**+42 dBm**	**+42 dBm**	**+42 dBm**

Model Number	**204516/2C**				**$ 590.00**
Frequency Band (MHz)	**512 - 1000**				
Pin Diode	**Yes**				
VSWR Output (min.) / Input	**1.6:1 / 1.2:1**				
Bias Voltage	**13.6 VDC**				
Current	**200 mA**				
Gain	**30 dB @ 512 MHz**	**27 dB @ 700 MHz**	**24 dB @ 849 MHz**	**22 dB @ 1000 MHz**	
Noise Figure	**3.5**	**3.8**	**4.0**	**4.0**	
1 dB Comp	**+21 dBm**	**+21 dBm**	**+21 dBm**	**+21 dBm**	
3rd Order Intercept	**+42 dBm**	**+42 dBm**	**+42 dBm**	**+42 dBm**	

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

PRESELECTOR APPLICATION NOTES:

- Other connectors are available; please contact the factory concerning your application.
- Both pass band receive preselectors and cavity resonator preselectors have applications in low power broad band transmit applications; please contact the factory concerning your requirements.

PASS BAND RECEIVE PRESELECTORS

Model Number	Frequency Band (MHz)	Band width	VSWR	Number of Resonators	Connectors Input	Connectors Output	Unit Price
02315/D	66-88	2-5 MHz	1.3:1 or better	5	N Female	N Female	585.00
**********	118-138	**********	PLEASE CONTACT FACTORY		**********		
02415/C	144-225	2-10 MHz	1.3:1 or better	5	N Female	N Female	585.00
**********	225-300	**********	PLEASE CONTACT FACTORY		**********		
02515/A	300-375	3-15 MHz	1.2:1 or better	5	N Female	N Female	530.00
02516/A	300-375	3-15 MHz	1.2:1 or better	6	N Female	N Female	630.00
02515/B	375-440	3-15 MHz	1.2:1 or better	5	N Female	N Female	530.00
02516/B	375-440	3-15 MHz	1.2:1 or better	6	N Female	N Female	630.00
02515/C	440-512	3-15 MHz	1.2:1 or better	5	N Female	N Female	530.00
02516/C	440-512	3-15 MHz	1.2:1 or better	6	N Female	N Female	630.00
**********	512-650	**********	PLEASE CONTACT FACTORY		**********		
**********	650-806	**********	PLEASE CONTACT FACTORY		**********		
02615/C	806-894	5-15 MHz	1.2:1 or better	5	N Female	N Female	530.00
02616/C	806-894	3-15 MHz	1.3:1 or better	6	N Female	N Female	630.00
02615/D	894-960	5-15 MHz	1.2:1 or better	5	N Female	N Female	530.00
02616/D	894-960	3-15 MHz	1.3:1 or better	6	N Female	N Female	630.00

PASS BAND "GROUP" FILTERS FOR RECEIVE/TRANSMIT APPLICATION

Model Number	Frequency Band (MHz)	Input Power	Band width	Insertion Loss	Attenuation Fc +/- 5 MHz	Cavities Number	Cavities Size	Connectors (Input/Output)	Unit Price
GROUP FILTERS CONTAINING 2 OR 3 CAVITIES CAN BE FOUND IN THE BAND PASS CAVITY RESONATOR SECTION									
6454/SBC-6	144-190	150 W	<1.5 MHz	2.0 dB	80+ dB	6	4" square	N Female	2,860.00
6457/SBC-6	144-190	200 W	<1.5 MHz	2.0 dB	90+ dB	6	7" square	N Female	3,430.00
6454/SBD-6	190-240	150 W	<1.5 MHz	2.0 dB	80+ dB	6	4" square	N Female	2,860.00
6457/SBD-6	190-240	200 W	<1.5 MHz	2.0 dB	90+ dB	6	7" square	N Female	3,430.00
6554/SBB-4	375-440	150 W	<2.0 MHz	1.5 dB	55+ dB	4	4" square	N Female	1,805.00
6557/SBB-4	375-440	200 W	<2.0 MHz	1.5 dB	60+ dB	4	7" square	N Female	2,085.00
6554/SBB-6	375-440	150 W	<3.0 MHz	2.0 dB	65+ dB	6	4" square	N Female	2,740.00
6557/SBB-6	375-440	200 W	<3.0 MHz	2.0 dB	70+ dB	6	7" square	N Female	3,325.00
6554/SBC-4	440-512	150 W	<2.0 MHz	1.5 dB	55+ dB	4	4" square	N Female	1,785.00
6557/SBC-4	440-512	200 W	<2.0 MHz	1.5 dB	60+ dB	4	7" square	N Female	2,085.00
6554/SBC-6	440-512	150 W	<3.0 MHz	2.0 dB	65+ dB	6	4" square	N Female	2,705.00
6557/SBC-6	440-512	200 W	<3.0 MHz	2.0 dB	70+ dB	6	7" square	N Female	3,325.00
6554/SBC-8	440-512	150 W	<4.0 MHz	2.0 dB	80+ dB	8	4" square	N Female	3,600.00
6557/SBC-8	440-512	200 W	<4.0 MHz	2.0 dB	50+ dB	8	7" square	N Female	4,350.00
6654/SBC-4	806-894	150 W	<2.0 MHz	2.5 dB	70+ dB	4	4" square	N Female	1,710.00
6654/SBC-6	806-894	150 W	<5.0 MHz	3.5 dB	75+ dB	6	4" square	N Female	2,560.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

POWER SUPPLIES

Model Number	Voltage Input and Output	Unit Price
02011	115 VAC input (1 amp) 13.6 VDC output	225.00
02002	230 VAC input (1/2 amp) 13.6 VDC output	225.00
02003	12 VDC (1/2 amp) 13.6 VDC output	225.00

POWER DIVIDERS FOR RECEIVE APPLICATIONS

Model Number	Frequency Band (MHz)	Application	Type	Isolation	Connectors Input	Connectors Output	Unit Price
2302-1/2A	30-960	Receive	2-Way	20 dB min	BNC Female	BNC Female	150.00
2302-0/2A	30-960	Receive	2-Way	20 dB min	N Female	N Female	180.00
2304-1/2A	30-960	Receive	4-Way	20 dB min	BNC Female	BNC Female	180.00
2304-0/2A	30-960	Receive	4-Way	20 dB min	N Female	N Female	230.00
2308-1/2A	30-700	Receive	8-Way	20 dB min	BNC Female	BNC Female	380.00
2308-0/2A	30-700	Receive	8-Way	20 dB min	N Female	N Female	485.00
2608-1/2C	700-960	Receive	8-Way	20 dB min	BNC Female	BNC Female	380.00
2608-0/2C	700-960	Receive	8-Way	20 dB min	N Female	N Female	485.00

APPLICATION NOTES:

- All other Polyphaser products are available for purchase but are not held in inventory. For lead time on items not listed, please contact the factory for a delivery schedule.

ADDITIONAL MULTICOUPLER COMPONENTS

201152	DC Block (30-512 MHz) (Injector and pick-off are the same units)	245.00
201153	DC Block (512-960 MHz) (Injector and pick-off are the same units)	245.00
201100	NEMA Cabinet Tower Mounting Kit	115.00
201101	Weather resistant NEMA Cabinet	1,115.00
201102	Weather resistant Stainless Steel NEMA Cabinet	1,990.00
201203	Weather resistant NEMA Cabinet for Dual Pass Multicoupler	1,265.00
IS-B50LN-C0	Polyphaser Coaxial Lightening Arrestor, Bulklead, 1.5 MHz to 400 MHz	145.00
IS-B50LN-C2	Polyphaser Coaxial Lightening Arrestor, Bulkhead, 120 MHz to 1000 MHz	145.00
IS-B50NX-C0-ME	Polyphaser Coaxial Lightening Arrestor, Flange, 1.5 MHz to 400 MHz	155.00
IS-B50NX-C2-ME	Polyphaser Coaxial Lightening Arrestor, Flange, 120 MHz to 1000 MHz	155.00
IS-GC50LN	Polyphaser DC Pickoff	225.00
IS-DC50LN	Polyphaser DC Injector	225.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

COMBINER / SPLITTER APPLICATION NOTES:

- Other connector types are available; please contact the factory concerning your requirements.
- Higher power models and models in bands not listed are available; please contact the factory.

COMBINER / SPLITTER FOR LOW POWER TRANSMIT APPLICATIONS

Model Number	Frequency Band (MHz)	Input Power Combiner	Input Power Splitter	Type	Isolation	Connectors Input	Connectors Output	Unit Price
**********	30-400	**********		PLEASE CONTACT THE FACTORY			**********	
2412-0/C	140-174	5.0 W	10.0 W	2-way	20 dB min.	N Female	N Female	290.00
2512-0/B	400-512	5.0 W	10.0 W	2-way	20 dB min.	N Female	N Female	290.00
2514-0/B	400-512	5.0 W	10.0 W	4-way	20 dB min.	N Female	N Female	340.00
2522-0/BH	400-512	15.0 W	30.0 W	2-way	20 dB min.	N Female	N Female	305.00
2524-0/BH	400-512	15.0 W	30.0 W	4-way	20 dB min.	N Female	N Female	370.00
2532-0/BHF	400-512	30.0 W	60.0 W	2-way	20 dB min.	N Female	N Female	555.00
2534-0/BHF	400-512	30.0 W	60.0 W	4-way	20 dB min.	N Female	N Female	570.00
2612-0/C	806-960	5.0 W	10.0 W	2-way	20 dB min.	N Female	N Female	290.00
2614-0/C	806-960	5.0 W	10.0 W	4-way	20 dB min.	N Female	N Female	340.00
2622-0/CH	806-960	15.0 W	30.0 W	2-way	20 dB min.	N Female	N Female	305.00
2624-0/CH	806-960	15.0 W	30.0 W	4-way	20 dB min.	N Female	N Female	370.00
2632-0/CHF	806-960	30.0 W	60.0 W	2-way	20 dB min.	N Female	N Female	555.00
2634-0/CHF	806-960	30.0 W	60.0 W	4-way	20 dB min.	N Female	N Female	570.00
**********	1000-2000	**********		PLEASE CONTACT THE FACTORY			**********	

HYBRID COUPLER APPLICATION NOTES:

- Hybrid coupler panels include a 3.5”, 5.25” or 8.75” panel, as needed and suitable jumper cables for models utilizing load terminations of 125 watts and higher.

HYBRID COUPLERS

Model Number	Frequency Band (MHz)	Product Description	Input Power	Panel Dimensions	Connectors Input	Connectors Output	Unit Price
2350/0	66-108	Hybrid Coupler	150 W	N/A	N Female	N Female	610.00
2350/4	66-108	Hybrid, 60 W load	60 W	3.5” x 19”	N Female	N Female	770.00
2350/5	66-108	Hybrid, 125 W load	125 W	3.5” x 19”	N Female	N Female	990.00
2350/5A	66-108	Hybrid, 150 W load	150 W	3.5” x 19”	N Female	N Female	1,060.00
2450/0	108-225	Hybrid Coupler	150 W	N/A	N Female	N Female	610.00
2450/4	108-225	Hybrid, 60 W load	60 W	3.5” x 19”	N Female	N Female	770.00
2450/5	108-225	Hybrid, 125 W load	125 W	3.5” x 19”	N Female	N Female	990.00
2450/5A	108-225	Hybrid, 150 W load	150 W	3.5” x 19”	N Female	N Female	1,060.00
2450/6	108-225	Hybrid, 250 W load	250 W	8.75” x 19”	N Female	N Female	1,175.00
2550/0	406-512	Hybrid Coupler	150 W	N/A	N Female	N Female	590.00
2550/4	406-512	Hybrid, 60 W load	60 W	3.5” x 19”	N Female	N Female	745.00
2550/5	406-512	Hybrid, 125 W load	125 W	3.5” x 19”	N Female	N Female	970.00
2550/5A	406-512	Hybrid, 150 W load	150 W	3.5” x 19”	N Female	N Female	1,030.00
2550/6	406-512	Hybrid, 250 W load	250 W	8.75” x 19”	N Female	N Female	1,145.00
2650/0	806-960	Hybrid Coupler	150 W	N/A	N Female	N Female	610.00
2650/4	806-960	Hybrid, 60 W load	60 W	3.5” x 19”	N Female	N Female	770.00
2650/5	806-960	Hybrid, 125 W load	125 W	3.5” x 19”	N Female	N Female	990.00
2650/5A	806-960	Hybrid, 150 W load	150 W	3.5” x 19”	N Female	N Female	1,060.00
2650/6	806-960	Hybrid, 250 W load	250 W	8.75” x 19”	N Female	N Female	1,175.00
2650/7	806-960	Hybrid, 350 W load	350 W	8.75” x 19”	N Female	N Female	1,765.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

BI & UNI - DIRECTIONAL ENHANCEMENT SYSTEM APPLICATION NOTES:

- Systems detailed below are classed as “type B Booster Systems” by the FCC.
- Typical system applications include: Large buildings, shopping malls, industrial complexes, tunnels, mines and subways.

UNI-DIRECTIONAL R.F. ENHANCEMENT SYSTEMS

Model Number	Frequency Band (MHz)	Uni-directional Gain	System Bandwidth	System Pwr. Consumption	Unit Price
840621	150-174	60 dB	Multi - Channel	2.0 A	4,975.00
850621	406-512	60 dB	Multi - Channel	2.0 A	4,975.00
860621/B	764-806	60 dB	Multi - Channel	2.0 A	4,975.00
860621/C	806-894	60 dB	Multi - Channel	2.0 A	4,975.00
860621/D	894-960	60 dB	Multi - Channel	2.0 A	4,975.00

BI-DIRECTIONAL R.F. ENHANCEMENT SYSTEMS

Model Number	Frequency Band (MHz)	Uplink	Downlink	System Bandwidth	System Pwr. Consumption	Min. Spacing Between TX & RX	Unit Price
840622	150-174	60 dB	60 dB	Multi - Channel	4.5 A	3.0 MHz	9,125.00
850622/B	390-400	60 dB	60 dB	Multi - Channel	4.5 A	3.5 MHz	9,125.00
850622	400-470	60 dB	60 dB	Multi - Channel	4.5 A	3.5 MHz	9,125.00
850622/C	470-512	60 dB	60 dB	Multi - Channel	4.5 A	2.9 MHz	9,125.00
860622/B	764-806	60 dB	60 dB	< 5 MHz	4.5 A	40 MHz	9,125.00
860632/B	764-806	60 dB	60 dB	< 10 MHz	4.5 A	35 MHz	9,125.00
860642/B	764-806	60 dB	60 dB	< 15 MHz	4.5 A	30 MHz	9,125.00
860643/B	764-861	60 dB	60 dB	Multi - Channel	4.5 A	18 MHz	Contact Factory
860622/C	806-894	60 dB	60 dB	< 5 MHz	4.5 A	30 MHz	9,125.00
860632/C	806-894	60 dB	60 dB	< 10 MHz	4.5 A	25 MHz	9,125.00
860642/C	806-894	60 dB	60 dB	< 15 MHz	4.5 A	20 MHz	9,125.00
860652/C	806-894	60 dB	60 dB	< 20 MHz	4.5 A	15 MHz	9,125.00

ENHANCEMENT SYSTEM LINE TAP APPLICATION NOTES:

- Insertion loss varies proportionately with coupling factor. Impedance at tap-off with coupling factor. Contact the factory for details.

LINE TAPS FOR BI & UNI-DIRECTIONAL R.F. ENHANCEMENT SYSTEMS

Model Number	Frequency Band (MHz)	Coupling Range Tap off to thru-line	Number of Tap Points	Input Power	Nominal Impedance	Connectors	Unit Price
2492/T	6-10 or 10-25 dB	6-25 dB	1	250 Watts	50 Ohms	N Female	270.00
2492/T2	6-10 or 10-25 dB	6-25 dB	2	250 Watts	50 Ohms	N Female	360.00
2592/T	6-10 or 10-25 dB	6-25 dB	1	250 Watts	50 Ohms	N Female	240.00
2592/T2	6-10 or 10-25 dB	6-25 dB	2	250 Watts	50 Ohms	N Female	330.00
2692/T8	6-10 or 10-25 dB	6-25 dB	1	250 Watts	50 Ohms	N Female	230.00
2692/T2-8	6-10 or 10-25 dB	6-25 dB	2	250 Watts	50 Ohms	N Female	315.00
2692/T-9	6-10 or 10-25 dB	6-25 dB	1	250 Watts	50 Ohms	N Female	230.00
2692/T2-9	6-10 or 10-25 dB	6-25 dB	2	250 Watts	50 Ohms	N Female	315.00

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

ENHANCEMENT SYSTEM ANTENNA APPLICATION NOTES:

- Other connectors are available upon request; please contact the factory concerning your application.

ANTENNAS FOR BI & UNI-DIRECTIONAL R.F. ENHANCEMENT SYSTEMS

Model Number	Frequency Band (MHz)	Description	Gain	Input Power	VSWR	Connectors	Unit Price
B1K3/Q5BM	406-512	Quarter Wave	Unity	50 W	1.5:1 or better	N Male	240.00
B1K3/Q5BF	406-512	Quarter Wave	Unity	50 W	1.5:1 or better	N Female	240.00
B2K3/Q5BM	406-512	Dipole	Unity	50 W	1.5:1 or better	N Male	220.00
B2K3/Q5BF	406-512	Dipole	Unity	50 W	1.5:1 or better	N Female	220.00
B1S3/Q5BM	806-940	Quarter Wave	Unity	50 W	1.5:1 or better	N Male	220.00
B1S3/Q5BF	806-940	Quarter Wave	Unity	50 W	1.5:1 or better	N Female	220.00
B2S3/Q5BM	806-940	Dipole	Unity	50 W	1.5:1 or better	N Male	220.00
B2S3/Q5BF	806-940	Dipole	Unity	50 W	1.5:1 or better	N Female	220.00

CROSSBAND COUPLERS

Model Number	Frequency Band (MHz)	Description	Isolation	Input Power	Insertion Loss	Connectors		Unit Price
						Input	Output	
6051/CGK	118-138/406-512	Interior/Mobile	60 dB	125 W	0.7 dB	N Female	N Female	475.00
6052/CGK-E	118-138/406-512	Exterior	60 dB	125 W	0.7 dB	N Female	N Female	1,070.00
6051/CHK	138-174/406-512	Interior/Mobile	60 dB	125 W	0.7 dB	N Female	N Female	475.00
6052/CHK-E	138-174/406-512	Exterior	60 dB	125 W	0.7 dB	N Female	N Female	1,070.00
6051/CGS	118-138/806-960	Interior/Mobile	60 dB	125 W	0.7 dB	N Female	N Female	475.00
6052/CGS-E	118-138/806-960	Exterior	60 dB	125 W	0.7 dB	N Female	N Female	1,070.00
6051/CHS	138-174/806-960	Interior/Mobile	60 dB	125 W	0.7 dB	N Female	N Female	475.00
6052/CHS-E	138-174/806-960	Exterior	60 dB	125 W	0.7 dB	N Female	N Female	1,070.00
6051/CKS	406-512/806-960	Interior/Mobile	60 dB	125 W	0.7 dB	N Female	N Female	475.00
6052/CKS-E	406-512/806-960	Exterior	60 dB	125 W	0.7 dB	N Female	N Female	1,070.00

NOTES:

NOTES:

22402 N. 19th Avenue Phoenix, Arizona 85027 Toll Free:1-800-796-2875 Tel: (623) 581-2875
Fax: (623) 582-9499 www.emrcorp.com e-mail: info@emrcorp.com

ORDERING, TERMS & POLICIES

ORDER PLACEMENT: All prices shown are list price, FOB factory (Phoenix Arizona - USA) and are subject to change without prior notice. Prices include domestic packaging and are exclusive of federal, state or local excise or sales taxes, duty or brokerage charges on export shipments. Unless otherwise negotiated freight will be prepaid and added to the invoice.

OPERATING FREQUENCIES: Operating frequencies and power levels used in preparing EMR products are those provided by the customer. Errors in operating frequencies or power levels made by EMR will be corrected at no charge. Errors due to faulty information from the customer are subject to all shipping charges and any material and/or labor cost incurred by EMR Corporation to correct the order.

TERMS OF SALE: Terms of sales are C.O.D., or Cash with Order unless other terms have been established prior to shipment. Open account status will be extended upon reasonable assurance of credit worthiness. Past due accounts are subject to a late charge of up to 2.0% monthly, beginning 30 days after the date of issuance of our valid invoices.

ORDER ACCEPTANCE: An order is considered contractually valid when a purchase order is accepted by e-mail, mail, telephone, telegram or facsimile. Cancellations made less than 15 days prior to scheduled ship date may be subject to a cancellation charge.

CLAIMS FOR SHIPPING LOSS OR DAMAGE: All shipments will be made via the customers specified mode of transportation. If coded “best way” the shipment will be consigned to the most economical, reliable commercial carrier. Insurance will be taken unless the customer specifically takes responsibility for shipping loss or damage. Although claims for loss are the responsibility of the consignee, EMR will assist in all ways in making claims and tracking for loss or damage to any of its shipment.

MODIFICATION AND DELAYS: EMR reserves the right to make design changes or modifications to any of its products without specific prior notification provided that such modifications do not materially reduce the value or performance of the equipment concerned. EMR will not be responsible for delays in shipment occasioned by slow or interrupted deliveries to EMR of components, materials or processes necessary to the completion of any project as originally scheduled.

PRODUCT RETURNS: Merchandise returned without having first obtained written acknowledgment from EMR may be rejected. Unless otherwise authorized, credit or refund will not exceeds 90% of originally invoiced amounts, and in no event shall include transportation costs. Return authorizations shall expire in 60 days unless otherwise specifically noted.

MECHANICAL SEALS: EMR provides mechanical seals on many of its products. These seals insure that the unit has not been modified or tampered with once it has left the factory. “Breaking” these seals without consent from an authorized EMR Corporation engineer or technician may void the warranty policy stated below.

STANDARD WARRANTY POLICY: EMR Corporation, hereinafter called EMR, warrants that all equipment of its manufacture shall be free from defects in design, material and workmanship for a period of 5 years from date of shipment unless otherwise covered by special warranty. If any such product, entirely or in part, fails to produce the performance as set forth in the brochure, quotations or literature provided by EMR, such product will be replaced or repaired at EMR’s expense provided that the failure was not the result of alteration, misuse, tampering, misapplication, shipping damage or vandalism. If a product failure is found to be the fault of EMR the cost of transportation to the EMR factory and its return will be born by EMR. A reasonable charge for travel and subsistence costs will be invoiced when on-site repairs are necessary. Should EMR supply components not of its own manufacture, but specified by a customer, the warranty shall reflect the original manufacturers warranty, only.

It is understood that this statement constitutes EMR’s entire and only warranty, there being no other warranties expressed or implied in law or in fact, including implied warranties of fitness. In no event shall EMR be liable for damages, either direct or consequential, that may be occasioned by any defect in material, workmanship or product support.

**** PRICES SUBJECT TO CHANGE WITHOUT NOTIFICATION ****

EMR Manufactures
HIGH QUALITY R.F. FILTERING EQUIPMENT:
AMPLIFIERS
ANTENNA DUPLEXERS
BI-DIRECTIONAL ENHANCEMENT SYSTEMS
CAVITY RESONATORS
CIRCULATORS
CROSSBAND COUPLERS
FILTER-FERRITE TRANSMITTER COMBINERS
HARMONIC FILTERS
HYBRID-FERRITE TRANSMITTER COMBINERS
INTERMODULATION CONTROL PANELS
ISOLATORS
ISO-CAVS
ISO-PLEXERS
LINE MATCHERS
LOAD TERMINATIONS
LOW PASS FILTERS
RECEIVER MULTICOUPLERS
TOWER TOP RECEIVE MULTICOUPLERS

EMR will help you with:
PRACTICAL ANTENNA SITE ENGINEERING
INTERMODULATION CONTROL
I.M. CALCULATION STUDIES
MASTER ANTENNA SITE PLANNING
ANTENNA SITE MAINTENANCE
INTERFERENCE PROBLEM TROUBLE SHOOTING
SYSTEM INSTALLATION
SYSTEM OPTIMIZATION
INFORMATIVE TECHNICAL LITERATURE

EMR will also provide:
ANTENNA SITE CONSULTING SERVICES
ON-SITE SERVICES
SYSTEM INSTALLATION
SYSTEM OPTIMIZATION
SYSTEM QUALIFICATION
FIELD EXPANSION
SYSTEM TROUBLE SHOOTING

22402 N. 19th Avenue Phoenix, Arizona 85027
Tel: (623) 581-2875 Fax: (623) 582-9499 Toll: 800-796-2875
Web: emrcorp.com e-mail: info@emrcorp,com