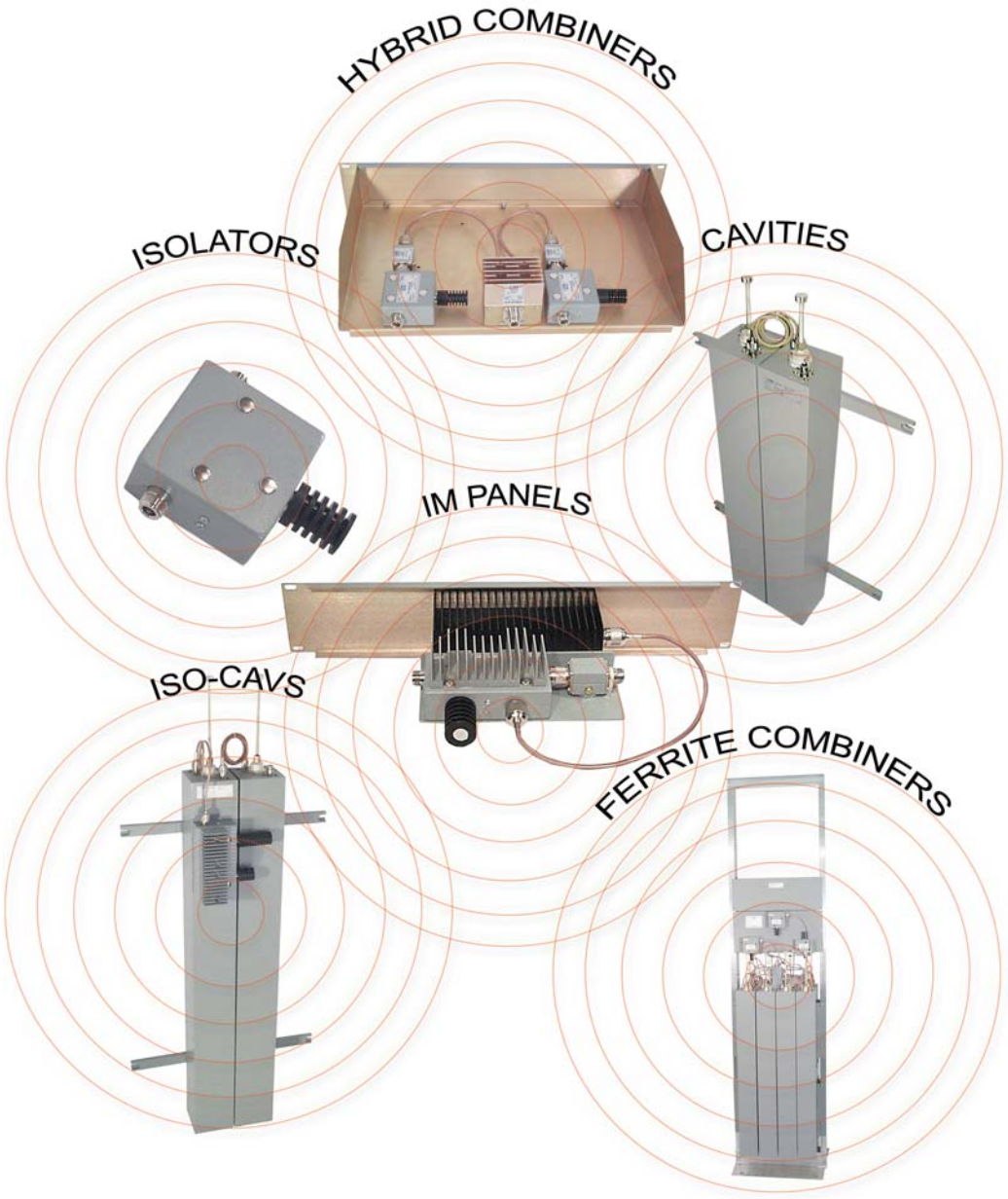
SHORT FORM SPECIFICATION CATALOG AND PRODUCT PRICING

APRIL 2013



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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.
- 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.
- The most common isolators load schemes are listed. Contact our factory for pricing on input/output load termination schemes not listed.

VHF CIRCULATORS AND ISOLATORS

Model Number	Frequency Band (MHz)	Product Description	Power Input	Power Refl.	Insertion Loss	Isolation	Connectors	Unit Price
WLB7340/4H	35-50	Circulator, 50 watts	50 W	-	0.50 dB	30+ dB	N Female	2,895.00
WLB7340/4AH	35-50	Single Isolator, 15 watt load	100 W	15 W	0.50 dB	30+ dB	N Female	2,915.00
W7340/3	66-88	Single Isolator, 30 watt load	50 W	30 W	0.50 dB	30+ dB	N Female	690.00
W8340/23	66-88	Dual Isolator, 15/30 watt load	50 W	30 W	0.75 dB	60+ dB	N Female	1,100.00
7430/1S	146-226	Single Isolator, 10 watt load	25 W	10 W	0.40 dB	30+ dB	N Female	655.00
W7440/3	146-226	Single Isolator, 30 watt load	50 W	30 W	0.30 dB	30+ dB	N Female	600.00
W7450/4	146-226	Single Isolator, 60 watt load	125 W	60 W	0.30 dB	30+ dB	N Female	670.00
W7460/5H	146-226	Single Isolator, 250 watt load	250 W	250 W	0.30 dB	30+ dB	N Female	1,485.00
8440/23	146-226	Dual Isolator, 15/30 watt load	50 W	30 W	0.45 dB	60+ dB	N Female	955.00
W8440/23	146-226	Dual Isolator, 15/30 watt load	50 W	30 W	0.45 dB	60+ dB	N Female	955.00
W8450/34	146-226	Dual Isolator, 30/60 watt load	125 W	60 W	0.45 dB	60+ dB	N Female	1,065.00
W8450/34AH	146-226	Dual Isolator, 30/75 watt load	150 W	75 W	0.45 dB	60+ dB	N Female	1,160.00
W8460/45H	146-226	Dual Isolator, 60/125 watt load	250 W	125 W	0.45 dB	60+ dB	N Female	2,070.00
W8470/46H	146-226		350 W					2,750.00
7530/1S	300-650	Single Isolator, 10 watt load	25 W	10 W	0.25 dB	30+ dB	N Female	525.00
W7540/3	300-650	Single Isolator, 30 watt load	50 W	30 W	0.25 dB	30+ dB	N Female	570.00
W7540/4	300-650	Single Isolator, 60 watt load	125 W	50 W	0.25 dB	30+ dB	N Female	605.00
W7560/5H	300-650	Single Isolator, 125 watt load	250 W	125 W	0.25 dB	30+ dB	N Female	1,315.00
8540/23	300-650	Dual Isolator, 15/30 watt load	50 W	30 W	0.45 dB	60+ dB	N Female	970.00
W8540/23	300-650	Dual Isolator, 15/30 watt load	50 W	30 W	0.45 dB	60+ dB	N Female	970.00
W8550/34	300-650	Dual Isolator, 30/60 watt load	125 W	60 W	0.45 dB	60+ dB	N Female	1,065.00
W8550/34AH	300-650	Dual Isolator, 30/75 watt load	150 W	75 W	0.45 dB	60+ dB	N Female	1,160.00
W8560/45H	300-650	Dual Isolator, 60/125 watt load	250 W	125 W	0.45 dB	60+ dB	N Female	2,070.00
W7640/2	650-1000	Single Isolator, 15 watt load	25 W	15 W	0.25 dB	30+ dB	N Female	565.00
W7650/4A	650-1000	Single Isolator, 75 watt load	125 W	75 W	0.25 dB	30+ dB	N Female	650.00
W7660/5H	650-1000	Single Isolator, 125 watt load	250 W	125 W	0.25 dB	30+ dB	N Female	1,330.00
8640/23	650-1000	Dual Isolator, 15/30 watt load	50 W	30 W	0.40 dB	60+ dB	N Female	985.00
W8640/23	650-1000	Dual Isolator, 15/30 watt load	50 W	30 W	0.40 dB	60+ dB	N Female	985.00
W8650/34A	650-1000	Dual Isolator, 30/75 watt load	125 W	75 W	0.40 dB	60+ dB	N Female	1,090.00
W8650/34AH	650-1000	Dual Isolator, 30/75 watt load	150 W	75 W	0.40 dB	60+ dB	N Female	1,250.00

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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.
- 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
WLB73414H	35-50	Single	50 W	50 W	0.65 dB	30+ dB	3.50 "	N Female	3,240.00
WLB73414AH	35-50	Single	100 W	50 W	0.65 dB	30+ dB	3.50 "	N Female	3,260.00
W73413	66-88	Single	50 W	30 W	0.65 dB	30+ dB	3.50 "	N Female	945.00
W73423	66-88	Dual	50 W	30 W	0.90 dB	60+ dB	3.50 "	N Female	1,350.00
W74413	146-226	Single	50 W	30 W	0.45 dB	30+ dB	3.50 "	N Female	735.00
W74514	146-226	Single	125 W	60 W	0.45 dB	30+ dB	3.50 "	N Female	885.00
W74615/H	146-226	Single	250 W	125 W	0.45 dB	30+ dB	5.25 "	N Female	1,735.00
74423	146-226	Dual	50 W	30 W	0.60 dB	60+ dB	3.50"	N Female	1,190.00
W74423	146-226	Dual	50 W	30 W	0.60 dB	60+ dB	3.50"	N Female	1,190.00
W74524	146-226	Dual	125 W	60 W	0.60 dB	60+ dB	3.50"	N Female	1,305.00
W74524A/H	146-226	Dual	150 W	75 W	0.60 dB	60+ dB	3.50"	N Female	1,430.00
W74625/H	146-226	Dual	250 W	125 W	0.60 dB	60+ dB	5.25"	N Female	2,535.00
W74726/H	146-226								
W75413	300-650	Single	50 W	30 W	0.40 dB	30+ dB	3.50"	N Female	605.00
W75514	300-650	Single	125 W	60 W	0.40 dB	30+ dB	3.50"	N Female	840.00
W75615/H	300-650	Single	250 W	125 W	0.40 dB	30+ dB	5.25"	N Female	1,735.00
75423	300-650	Dual	50 W	30 W	0.60 dB	60+ dB	3.50"	N Female	1,200.00
W75423	300-650	Dual	50 W	30 W	0.60 dB	60+ dB	3.50"	N Female	1,200.00
W75524	300-650	Dual	125 W	60 W	0.60 dB	60+ dB	3.50"	N Female	1,305.00
W75524A/H	300-650	Dual	150 W	75 W	0.60 dB	60+ dB	3.50"	N Female	1,430.00
W85625/H	300-650	Dual	250 W						
W76412	650-1000	Single	25 W	15 W	0.40 dB	30+ dB	3.50"	N Female	780.00
W76514A	650-1000	Single	125 W	75W	0.40 dB	30+ dB	5.25"	N Female	930.00
W76615/H	650-1000	Single	250 W	125 W	0.40 dB	30+ dB	5.25"	N Female	1,755.00
76423	650-1000	Dual	50 W	30 W	0.60 dB	60+ dB	3.50"	N Female	1,220.00
W76423	650-1000	Dual	50 W	30 W	0.60 dB	60+ dB	3.50"	N Female	1,220.00
W76524	650-1000	Dual	125 W	60 W	0.60 dB	60+ dB	3.50"	N Female	1,310.00
W76524A/H	650-1000	Dual	150 W	75 W	0.60 dB	60+ dB	3.50"	N Female	1,435.00

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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

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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

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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	

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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

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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
W73414/CFD	66-88	50 W	30 W	1.6 dB	35+ dB	4"	Single	25 dB, min.	1,415.00
W73424/CFD	66-88	50 W	30 W	1.8 dB	70+ dB	4"	Dual	25 dB, min.	1,830.00
74314/CFC	144-190	20 W	10 W	1.5 dB	35+ dB	4"	Single	25 dB, min.	1,115.00
74414/CFC	144-190	50 W	30 W	1.5 dB	35+ dB	4"	Single	25 dB, min.	1,175.00
74424/CFC	144-190	50 W	30 W	1.7 dB	70+ dB	4"	Dual	25 dB, min.	1,555.00
74514/CFC	144-190	125 W	60 W	1.5 dB	35+ dB	4"	Single	25 dB, min.	1,250.00
74524/CFC	144-190	125 W	60 W	1.7 dB	70+ dB	4"	Dual	25 dB, min.	1,670.00
74517/CFC	144-190	125 W	60 W	1.5 dB	35+ dB	7"	Single	30 dB, min.	1,350.00
74527/CFC	144-190	125 W	60 W	1.7 dB	70+ dB	7"	Dual	30 dB, min.	1,765.00
74617H/CFCH	144-190	250 W	125 W	1.5 dB	35+ dB	7"	Single	30 dB, min.	2,165.00
74627H/CFCH	144-190	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
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

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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
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				**********		
**********	650-760	********	PLEASE CONTACT THE FACTORY				**********		
76414/CFB	764-776	50 W	30 W	1.4 dB	35+ dB	4"	Single	18 dB min.	1,155.00
76424/CFB	764-776	50 W	30 W	1.6 dB	70+ dB	4"	Dual	18 dB min.	1,615.00
76514/CFB	764-776	125 W	60 W	1.4 dB	35+ dB	4"	Single	18 dB min.	1,155.00
76524/CFB	764-776	125 W	60 W	1.6 dB	70+ dB	4"	Dual	18 dB min.	1,615.00
76517/CFB	764-776	125 W	60 W	1.4 dB	35+ dB	7"	Single	23 dB min.	1,280.00
76527/CFB	764-776	125 W	60 W	1.6 dB	70+ dB	7"	Dual	23 dB min.	1,745.00
76617H/CFBH	764-776	250 W	125 W	1.4 dB	35+ dB	7"	Single	23 dB min.	2,155.00
76627H/CFBH	764-776	250 W	125 W	1.6 dB	70+ dB	7"	Dual	23 dB min.	2,955.00
76414/CFB	764-776	50 W	30 W	1.4 dB	35+ dB	4"	Single	18 dB min.	1,155.00
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
46627H/CFDH	894-960	250 W	125 W	1.6 dB	70+ dB	7"	Dual	23 dB min.	3,515.00

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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

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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

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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
W63444/SNDI-1	66-88	50 W	0.75 MHz	1.7 dB	10 MHz	1.4 dB	80 dB	Single	3,305.00
W63444/SNDI-2	66-88	50 W	0.75 MHz	2.0 dB	10 MHz	1.4 dB	80 dB	Dual	3,720.00
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				**********		

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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

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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
W63421	66-88	4”	2	50 W	1.4 dB	3.1 dB	200 KHz	Single	40+ dB	30+dB	3,010.00
W63431	66-88	4”	3	50 W	1.5 dB	3.1 dB	200 KHz	Single	40+ dB	30+dB	4,455.00
W63441	66-88	4”	4	50 W	1.6 dB	3.2 dB	200 KHz	Single	40+ dB	30+dB	5,840.00
W63422	66-88	4”	2	50 W	1.9 dB	3.5 dB	200 KHz	Dual	70+ dB	60+dB	4,260.00
W63432	66-88	4”	3	50 W	2.0 dB	3.6 dB	200 KHz	Dual	70+ dB	60+dB	6,525.00
W63442	66-88	4”	4	50 W	2.1 dB	3.7 dB	200 KHz	Dual	70+ dB	60+dB	8,605.00
**********	88-108	**********		PLEASE CONTACT THE FACTORY				**********			
**********	118-138	**********		PLEASE CONTACT THE FACTORY				**********			
**********	138-148	**********		PLEASE CONTACT THE FACTORY				**********			
**********	174-216	**********		PLEASE CONTACT THE FACTORY				**********			
**********	216-300	**********		PLEASE CONTACT THE FACTORY				**********			
W64321/4C	148-174	4”	2	20 W	1.5 dB	2.6 dB	300 KHz	Single	40+ dB	30+dB	2,840.00
W64331/4C	148-174	4”	3	20 W	1.6 dB	2.7 dB	300 KHz	Single	40+ dB	30+dB	4,200.00
W64341/4C	148-174	4”	4	20 W	1.7 dB	2.8 dB	300 KHz	Single	40+ dB	30+dB	5,500.00
W64351/4C	148-174	4”	5	20 W	1.8 dB	2.9 dB	300 KHz	Single	40+ dB	30+dB	7,035.00
W64421/4C	148-174	4”	2	50 W	1.5 dB	2.6 dB	300 KHz	Single	40+ dB	30+dB	3,115.00
W64431/4C	148-174	4”	3	50 W	1.6 dB	2.7 dB	300 KHz	Single	40+ dB	30+dB	4,280.00
W64441/4C	148-174	4”	4	50 W	1.7 dB	2.8 dB	300 KHz	Single	40+ dB	30+dB	5,770.00
W64451/4C	148-174	4”	5	50 W	1.8 dB	2.9 dB	300 KHz	Single	40+ dB	30+dB	7,390.00
W64422/4C	148-174	4”	2	50 W	1.7 dB	2.8 dB	300 KHz	Dual	70+ dB	60+dB	3,900.00
W64432/4C	148-174	4”	3	50 W	1.8 dB	2.9 dB	300 KHz	Dual	70+ dB	60+dB	5,860.00
W64442/4C	148-174	4”	4	50 W	1.9 dB	3.0 dB	300 KHz	Dual	70+ dB	60+dB	7,670.00
W64452/4C	148-174	4”	5	50 W	2.0 dB	3.1 dB	300 KHz	Dual	70+ dB	60+dB	9,605.00
W64522/4C	148-174	4”	2	125 W	1.7 dB	2.8 dB	300 KHz	Dual	70+ dB	60+dB	4,110.00
W64532/4C	148-174	4”	3	125 W	1.8 dB	2.9 dB	300 KHz	Dual	70+ dB	60+dB	6,225.00
W64542/4C	148-174	4”	4	125 W	1.9 dB	3.0 dB	300 KHz	Dual	70+ dB	60+dB	8,125.00
W64552/4C	148-174	4”	5	125 W	2.0 dB	3.1 dB	300 KHz	Dual	70+ dB	60+dB	9,905.00
W64562/4C	148-174	4”	6	125 W	2.2 dB	3.2 dB	300 KHz	Dual	70+ dB	60+dB	11,780.00

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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
W65421/7	300-650	7”	2	50 W	1.5 dB	2.1 dB	300 KHz	Single	40+ dB	30+dB	2,930.00
W65431/7	300-650	7”	3	50 W	1.7 dB	2.3 dB	300 KHz	Single	40+ dB	30+dB	4,350.00
W65441/7	300-650	7”	4	50 W	1.9 dB	2.5 dB	300 KHz	Single	40+ dB	30+dB	5,740.00
W65451/7	300-650	7”	5	50 W	2.1 dB	2.7 dB	300 KHz	Single	40+ dB	30+dB	7,370.00
W65461/7	300-650	7”	6	50 W	2.3 dB	2.9 dB	300 KHz	Single	40+ dB	30+dB	8,760.00
W65471/7	300-650	7”	7	50 W	2.5 dB	3.1 dB	300 KHz	Single	40+ dB	30+dB	10,240.00
W65481/7	300-650	7”	8	50 W	2.7 dB	3.3 dB	300 KHz	Single	40+ dB	30+dB	11,625.00
W65422/7	300-650	7”	2	50 W	1.7 dB	2.3 dB	300 KHz	Dual	70+ dB	60+ dB	4,050.00
W65432/7	300-650	7”	3	50 W	1.9 dB	2.5 dB	300 KHz	Dual	70+ dB	60+ dB	5,950.00
W65442/7	300-650	7”	4	50 W	2.1 dB	2.7 dB	300 KHz	Dual	70+ dB	60+ dB	7,915.00
W65452/7	300-650	7”	5	50 W	2.3 dB	2.9 dB	300 KHz	Dual	70+ dB	60+ dB	9,845.00
W65462/7	300-650	7”	6	50 W	2.5 dB	3.1 dB	300 KHz	Dual	70+ dB	60+ dB	11,625.00
W65472/7	300-650	7”	7	50 W	2.7 dB	3.3 dB	300 KHz	Dual	70+ dB	60+ dB	13,435.00
W65482/7	300-650	7”	8	50 W	2.9 dB	3.5 dB	300 KHz	Dual	70+ dB	60+ dB	15,190.00
W65522/7	300-650	7”	2	125 W	1.7 dB	2.3 dB	300 KHz	Dual	70+ dB	60+ dB	4,290.00
W65532/7	300-650	7”	3	125 W	1.9 dB	2.5 dB	300 KHz	Dual	70+ dB	60+ dB	6,280.00
W65542/7	300-650	7”	4	125 W	2.1 dB	2.7 dB	300 KHz	Dual	70+ dB	60+ dB	8,010.00
W65552/7	300-650	7”	5	125 W	2.3 dB	2.9 dB	300 KHz	Dual	70+ dB	60+ dB	10,360.00
W65562/7	300-650	7”	6	125 W	2.5 dB	3.1 dB	300 KHz	Dual	70+ dB	60+ dB	12,290.00
W65572/7	300-650	7”	7	125 W	2.7 dB	3.3 dB	300 KHz	Dual	70+ dB	60+ dB	14,160.00
W65582/7	300-650	7”	8	125 W	2.9 dB	3.5 dB	300 KHz	Dual	70+ dB	60+ dB	16,035.00
W65522/7(CS)	300-650	7”	2	125 W		3.4 dB	200 KHz	Dual	70+ dB	60+ dB	4,350.00
W65532/7(CS)	300-650	7”	3	125 W		3.6 dB	200 KHz	Dual	70+ dB	60+ dB	6,370.00
W65542/7(CS)	300-650	7”	4	125 W		3.8 dB	200 KHz	Dual	70+ dB	60+ dB	8,130.00
W65552/7(CS)	300-650	7”	5	125 W		4.0 dB	200 KHz	Dual	70+ dB	60+ dB	10,510.00
W65562/7(CS)	300-650	7”	6	125 W		4.2 dB	200 KHz	Dual	70+ dB	60+ dB	12,470.00
W65572/7(CS)	300-650	7”	7	125 W		4.4 dB	200 KHz	Dual	70+ dB	60+ dB	14,370.00
W65582/7(CS)	300-650	7”	8	125 W		4.6 dB	200 KHz	Dual	70+ dB	60+ dB	16,275.00

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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
W66422/7C	806-894	7”	2	50 W	1.5 dB	2.4 dB	500 KHz	Dual	70+ dB	60+ dB	4,290.00
W66432/7C	806-894	7”	3	50 W	1.7 dB	2.6 dB	500 KHz	Dual	70+ dB	60+ dB	6,315.00
W66442/7C	806-894	7”	4	50 W	1.9 dB	2.8 dB	500 KHz	Dual	70+ dB	60+ dB	8,365.00
W66452/7C	806-894	7”	5	50 W	2.1 dB	3.0 dB	500 KHz	Dual	70+ dB	60+ dB	10,690.00
W66462/7C	806-894	7”	6	50 W	2.3 dB	3.2 dB	500 KHz	Dual	70+ dB	60+ dB	12,625.00
W66472/7C	806-894	7”	7	50 W	2.5 dB	3.4 dB	500 KHz	Dual	70+ dB	60+ dB	14,555.00
W66482/7C	806-894	7”	8	50 W	2.7 dB	3.6 dB	500 KHz	Dual	70+ dB	60+ dB	16,610.00
W66492/7C	806-894	7”	9	50 W	2.8 dB	3.4 dB	500 KHz	Dual	70+ dB	60+ dB	18,340.00
W66402/7C	806-894	7”	10	50 W	2.9 dB	3.6 dB	500 KHz	Dual	70+ dB	60+ dB	20,350.00
W66522/7C	806-894	7”	2	125 W	1.5 dB	2.4 dB	500 KHz	Dual	70+ dB	60+ dB	4,500.00
W66532/7C	806-894	7”	3	125 W	1.7 dB	2.6 dB	500 KHz	Dual	70+ dB	60+ dB	6,675.00
W66542/7C	806-894	7”	4	125 W	1.9 dB	2.8 dB	500 KHz	Dual	70+ dB	60+ dB	8,790.00
W66552/7C	806-894	7”	5	125 W	2.1 dB	3.0 dB	500 KHz	Dual	70+ dB	60+ dB	11,265.00
W66562/7C	806-894	7”	6	125 W	2.3 dB	3.2 dB	500 KHz	Dual	70+ dB	60+ dB	13,420.00
W66572/7C	806-894	7”	7	115 W	2.5 dB	3.4 dB	500 KHz	Dual	70+ dB	60+ dB	15,370.00
W66582/7C	806-894	7”	8	100 W	2.7 dB	3.6 dB	500 KHz	Dual	70+ dB	60+ dB	17,485.00
W66592/7C	806-894	7”	9	90 W	2.8 dB	3.4 dB	500 KHz	Dual	70+ dB	60+ dB	19,505.00
W66502/7C	806-894	7”	10	80 W	2.9 dB	3.6 dB	500 KHz	Dual	70+ dB	60+ dB	21,470.00

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
W66522/7D	894-960	7”	2	125 W	1.5 dB	2.4 dB	500 KHz	Dual	70+ dB	60+ dB	4,500.00
W66532/7D	894-960	7”	3	125 W	1.7 dB	2.6 dB	500 KHz	Dual	70+ dB	60+ dB	6,675.00
W66542/7D	894-960	7”	4	125 W	1.9 dB	2.8 dB	500 KHz	Dual	70+ dB	60+ dB	8,790.00
W66552/7D	894-960	7”	5	125 W	2.1 dB	3.0 dB	500 KHz	Dual	70+ dB	60+ dB	11,265.00
W66562/7D	894-960	7”	6	125 W	2.3 dB	3.2 dB	500 KHz	Dual	70+ dB	60+ dB	13,315.00
W66572/7D	894-960	7”	7	115 W	2.5 dB	3.4 dB	500 KHz	Dual	70+ dB	60+ dB	15,400.00
W66582/7D	894-960	7”	8	100 W	2.7 dB	3.6 dB	500 KHz	Dual	70+ dB	60+ dB	17,510.00
W66592/7D	894-960	7”	9	90 W	2.8 dB	3.4 dB	500 KHz	Dual	70+ dB	60+ dB	19,505.00
W66502/7D	894-960	7”	10				500 KHz	Dual	70+ dB	60+ dB	

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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
W23421	66-88	2	50 W	3.7 dB	Single	50+ dB	30+ dB	2	2,810.00
W23422	66-88	2	50 W	4.0 dB	Dual	80+ dB	60+ dB	2	3,625.00
W23441	66-88	4	50 W	6.8 dB	Single	50+ dB	30+ dB	6	6,425.00
W23442	66-88	4	50 W	7.0 dB	Dual	80+ dB	60+ dB	6	8,065.00
24321	134-225	2	20 W	3.7 dB	Single	50+ dB	30+ dB	2	1,985.00
24331	134-225	3		5.25 dB					2,795.00
24341	134-225	4	20 W	6.8 dB	Single	50+ dB	30+ dB	2	3,480.00
W24421	134-225	2	50 W	3.7 dB	Single	50+ dB	30+ dB	2	2,540.00
W24422	134-225	2	50 W	4.0 dB	Dual	80+ dB	60+ dB	2	3,325.00
W24431	134-225	3	50 W	5.25 dB					4,115.00
W24432	134-225	3	50 W	5.0 Db					5,280.00
W24441	134-225	4	50 W	6.8 dB	Single	50+ dB	30+ dB	6	5,895.00
W24442	134-225	4	50 W	7.0 dB	Dual	80+ dB	60+ dB	6	7,430.00
W24521	134-225	2	125 W	3.7 dB	Single	50+ dB	30+ dB	2	2,900.00
W24522	134-225	2	125 W	4.0 dB	Dual	80+ dB	60+ dB	2	3,745.00
W24531	134-225	3	125 W	5.25 dB					5,125.00
W24532	134-225	3	125 W	5.5 dB					6,375.00
W24541	134-225	4	125 W	6.8 dB	Single	50+ dB	30+ dB	6	6,825.00
W24542	134-225	4	125 W	7.0 dB	Dual	80+ dB	60+ dB	6	8,485.00

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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	50+ dB	30+ dB	2	1,925.00
25331	300.650	3	20 W	5.25 dB	Single	50+ dB	30+ dB	2	2,520.00
25341	300-650	4	20 W	6.8 dB	Single	50+ dB	30+ dB	2	3,360.00
W25421	300-650	2	50 W	3.7 dB	Single	50+ dB	30+ dB	2	2,450.00
W25422	300-650	2	50 W	4.0 dB	Dual	80+ dB	60+ dB	2	3,325.00
W25431	300-650	3	50 W	5.25 dB	Single	50+ dB	30+ dB	6	3,980.00
W25432	300-650	3	50 W	5.5 dB	Dual	80+ dB	60+ dB	6	5,270.00
W25441	300-650	4	50 W	6.8 dB	Single	50+ dB	30+ dB	6	5,710.00
W25442	300-650	4	50 W	7.0 dB	Dual	80+ dB	60+ dB	6	7,400.00
W25451	300-650	5	50 W	7.9 dB	Single	50+ dB	30+ dB	6	7,320.00
W25452	300-650	5	50 W	8.1 dB	Dual	80+ dB	60+ dB	6	9,475.00
W25521	300-650	2	125 W	3.7 dB	Single	50+ dB	30+ dB	2	2,810.00
W25522	300-650	2	125 W	4.0 dB	Dual	80+ dB	60+ dB	2	3,720.00
W25531	300-650	3	125 W	5.25 dB	Single	50+ dB	30+ dB	6	4,940.00
W25532	300-650	3	125 W	5.5 dB	Dual	80+ dB	60+ dB	6	6,300.00
W25541	300-650	4	125 W	6.8 dB	Single	50+ dB	30+ dB	6	6,585.00
W25542	300-650	4	125 W	7.0 dB	Dual	80+ dB	60+ dB	6	8,395.00
W25551	300-650	5	125 W	7.9 dB	Single	50+ dB	30+ dB	6	8,460.00
W25552	300-650	5	125 W	8.1 dB	Dual	80+ dB	60+ dB	6	10,775.00
W26421	650-1000	2	50 W	3.7 dB	Single	50+ dB	30+ dB	2	2,510.00
W26422	650-1000	2	50 W	4.0 dB	Dual	80+ dB	60+ dB	2	3,385.00
W26431	650-1000	3	50 W	5.25	Single	50+ dB	30+ dB	6	4,220.00
W26432	650-1000	3	50 W	5.0	Dual	80+ dB	60+ dB	6	5,670.00
W26441	650-1000	4	50 W	6.8 dB	Single	50+ dB	30+ dB	6	5,620.00
W26442	650-1000	4	50 W	7.0 dB	Dual	80+ dB	60+ dB	6	7,550.00
W26521	650-1000	2	125 W	3.7 dB	Single	50+ dB	30+ dB	2	2,875.00
W26522	650-1000	2	125 W	4.0 dB	Dual	80+ dB	60+ dB	2	3,775.00
W26531	650-1000	3	125 W	5.25 dB	Single	50+ dB	30+ dB	6	5,075.00
W26532	650-1000	3	125 W	5.5 dB	Dual	80+ dB	60+ dB	6	6,450.00
W26541	650-1000	4	125 W	6.8 dB	Single	50+ dB	30+ dB	6	6,765.00
W26542	650-1000	4	125 W	7.0 dB	Dual	80+ dB	60+ dB	6	8,575.00

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CONTROL STATION COMBINERS

Model Number	Frequency Band (MHz)	No. Xmtrs	Input Power	Isolation ANT to TX	Isolation TX toTX	RX to RX Isolation	Power Supply	Connectors	Unit Price
VHF24422/SFR1-50	154-174 MHz	2	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	4,650.00
UHF25422/SFR1-50	350-650 MHz	2	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	4,650.00
HUHF26422/SFR1-50	650-960 MHz	2	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	4,650.00
VHF24432/SFR1-50	154-174 MHz	3	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	5,475.00
UHF25432/SFR1-50	350-650 MHz	3	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	5,475.00
HUHF26432/SFR1-50	650-960 MHz	3	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	5,475.00
VHF24442/SFR1-50	154-174 MHz	4	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	6,300.00
UHF25442/SFR1-50	350-650 MHz	4	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	6,300.00
HUHF26442/SFR1-50	650-960 MHz	4	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	6,300.00
VHF24452/SFR1-50	154-174 MHz	5	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	12,475.00
UHF25452/SFR1-50	350-650 MHz	5	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	12,475.00
HUHF26452/SFR1-50	650-960 MHz	5	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	12,475.00
VHF24462/SFR1-50	154-174 MHz	6	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	13,300.00
UHF25462/SFR1-50	350-650 MHz	6	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	13,300.00
HUHF26462/SFR1-50	650-960 MHz	6	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	13,300.00
VHF24472/SFR1-50	154-174 MHz	7	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	14,125.00
UHF25472/SFR1-50	350-650 MHz	7	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	14,125.00
HUHF26472/SFR1-50	650-960 MHz	7	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	14,125.00
VHF24482/SFR1-50	154-174 MHz	8	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	14,950.00
UHF25482/SFR1-50	350-650 MHz	8	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	14,950.00
HUHF26482/SFR1-50	650-960 MHz	8	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	14,950.00
VHF24420/SFR1-50	154-174 MHz	2	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	4,650.00
UHF25420/SFR1-50	350-650 MHz	2	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	4,650.00
HUHF26420/SFR1-50	650-960 MHz	2	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	4,650.00
VHF24430/SFR1-50	154-174 MHz	3	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	5,475.00
UHF25430/SFR1-50	350-650 MHz	3	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	5,475.00
HUHF26430/SFR1-50	650-960 MHz	3	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	5,475.00
VHF24440/SFR1-50	154-174 MHz	4	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	6,300.00
UHF25440/SFR1-50	350-650 MHz	4	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	6,300.00
HUHF26440/SFR1-50	650-960 MHz	4	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	6,300.00
VHF24450/SFR1-50	154-174 MHz	5	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	12,475.00
UHF25450/SFR1-50	350-650 MHz	5	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	12,475.00
HUHF26450/SFR1-50	650-960 MHz	5	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	12,475.00
VHF24460/SFR1-50	154-174 MHz	6	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	13,300.00
UHF25460/SFR1-50	350-650 MHz	6	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	13,300.00
HUHF26460/SFR1-50	650-960 MHz	6	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	13,300.00
VHF24470/SFR1-50	154-174 MHz	7	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	14,125.00
UHF25470/SFR1-50	350-650 MHz	7	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	14,125.00
HUHF26470/SFR1-50	650-960 MHz	7	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	14,125.00
VHF24480/SFR1-50	154-174 MHz	8	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	14,950.00
UHF25480/SFR1-50	350-650 MHz	8	50 W	50+ dB	60+ dB	60+ dB	Note <1>	N Female	14,950.00

Note <1> 115 VAC or 12 VDC available.

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REPEATER SYSTEM COMBINERS

Model Number	Frequency Band (MHz)	No. Chan	Max. Input Pwr/ CH	TX Inser. Loss Typ Note 1 & 2	TX & RX Recom. Passband Note 3	TX-RX Stop Band Min. Note 3	TX-TX Attn.	TX-RX RX-TX Attn.	Ant-TX Attn.	Unit Price
VHF24321/SYS-25	150-174	2	25 W	5.7 dB	1.0 MHz	4.0 MHz	50+ dB	70+ dB	30+ dB	5,170.00
VHF24331/SYS-25	150-174	3	25 W	7.5 dB	1.0 MHz	4.0 MHz	50+ dB	70+ dB	30+ dB	6,030.00
VHF24341/SYS-25	150-174	4	25 W	8.8 dB	1.0 MHz	4.0 MHz	50+ dB	70+ dB	30+ dB	6,940.00
VHF24422/SYS-50	150-174	2	50 W	6.0 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	6,500.00
VHF24432/SYS-50	150-174	3	50 W	7.8 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	8,275.00
VHF24442/SYS-50	150-174	4	50 W	9.0 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	9,925.00
VHF24522/SYS-100	150-174	2	100 W	6.0 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	7,850.00
VHF24532/SYS-100	150-174	3	100 W	7.8 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	9,850.00
VHF24542/SYS-100	150-174	4	100 W	9.0 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	11,550.00
UHF24531/SYS-25	300-650	2	25 W	5.7 dB	1.0 MHz	4.0 MHz	50+ dB	70+ dB	30+ dB	5,170.00
UHF25331/SYS-25	300-650	3	25 W	7.5 dB	1.0 MHz	4.0 MHz	50+ dB	70+ dB	30+ dB	6,030.00
UHF25341-SYS-25	300-650	4	25 W	8.8 dB	1.0 MHz	4.0 MHz	50+ dB	70+ dB	30+ dB	6,940.00
UHF25351/SYS-25	300-650	5	25 W	10.0 dB	1.0 MHz	4.0 MHz	50+ dB	70+ dB	30+ dB	9,300.00
UHF25422/SYS-50	300-650	2	50 W	6.0 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	6,500.00
UHF25432/SYS-50	300-650	3	50 W	7.8 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	8,275.00
UHF25442/SYS-50	300-650	4	50 W	9.0 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	9,925.00
UHF25452/SYS-50	300-650	5	50 W	10.2 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	12,475.00
UHF25522/SYS-100	300-650	2	100 W	6.0 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	7,850.00
UHF25532/SYS-100	300-650	3	100 W	7.8 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	9,850.00
UHF25543/SYS-100	300-650	4	100 W	9.0 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	11,550.00
UHF25552/SYS-100	300-650	5	100 W	10.2 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	14,400.00
SMR26321/SYS-25	764-960	2	25 W	5.7 dB	1.0 MHz	4.0 MHz	50+ dB	70+ dB	30+ dB	5,500.00
SMR26331/SYS-25	764-960	3	25 W	7.5 dB	1.0 MHz	4.0 MHz	50+ dB	70+ dB	30+ dB	6,355.00
SMR26341/SYS-25	764-960	4	25 W	8.8 dB	1.0 MHz	4.0 MHz	50+ dB	70+ dB	30+ dB	7,275.00
SMR26351/SYS-25	764-960	5	25 W	10.0 dB	1.0 MHz	4.0 MHz	50+ dB	70+ dB	30+ dB	9,775.00
SMR26422/SYS-50	764-960	2	50 W	6.0 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	6,500.00
SMR26432/SYS-50	764-960	3	50 W	7.8 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	8,275.00
SMR26442/SYS-50	764-960	4	50 W	9.0 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	9,925.00
SMR26452/SYS-50	764-960	5	50 W	10.2 dB	1.0 MHz	4.0 MHz	80+ dB	70+ dB	60+ dB	12,475.00

Note 1: TX passband width, RX passband width, and stop band between them will have a direct affect on TX side insertion loss,
Note 2: Standard system TX side is equipped with only pass notch filters. Bandpass filters can be added but will increase insertion loss and cost.
Note 3: Filter can be customized to adapt to greater passband widths and/or lesser stop band widths.

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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	20+ dB	5	115 VAC	2	N	BNC	2,185.00
23102-0/P-5	66-88	3-8 MHz	20+ dB	5	115 VAC	2	N	N	2,185.00
23104-1/P-5	66-88	3-8 MHz	20+ dB	5	115 VAC	3-4	N	BNC	2,215.00
23104-0/P-5	66-88	3-8 MHz	20+ dB	5	115 VAC	3-4	N	N	2,215.00
23108-1/P-5	66-88	3-8 MHz	20+ dB	5	115 VAC	5-8	N	BNC	2,450.00
23108-0/P-5	66-88	3-8 MHz	20+ dB	5	115 VAC	5-8	N	N	2,450.00
24102-1/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	2	N	BNC	2,185.00
24102-0/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	2	N	N	2,185.00
24104-1/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	3-4	N	BNC	2,215.00
24104-0/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	3-4	N	N	2,215.00
24108-1/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	5-8	N	BNC	2,450.00
24108-0/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	5-8	N	N	2,450.00
24112-1/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	9-12	N	BNC	3,215.00
24112-0/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	9-12	N	N	3,215.00
24116-1/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	13-16	N	BNC	3,335.00
24116-0/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	13-16	N	N	3,335.00

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	20+ dB	5	115 VAC	2	N	BNC	2,125.00
25102-0/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	2	N	N	2,125.00
25104-1/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	3-4	N	BNC	2,155.00
25104-0/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	3-4	N	N	2,155.00
25108-1/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	5-8	N	BNC	2,360.00
25108-0/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	5-8	N	N	2,360.00
25112-1/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	9-12	N	BNC	3,160.00
25112-0/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	9-12	N	N	3,160.00
25116-1/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	13-16	N	BNC	3,305.00
25116-0/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	13-16	N	N	3,305.00

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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
25104-1/DP-5	300-512	3-4 MHz	20+ dB	5	115 VAC		N	BNC	3,455.00
25104-0/DP-5	300-512	3-4 MHz	20+ dB	5	115 VAC		N	N	3,455.00
25108-1/DP-5	300-512	3-4 MHz	20+ dB	5	115 VAC	5-8	N	BNC	3,655.00
25108-0/DP-5	300-512	3-4 MHz	20+ dB	5	115 VAC	5-8	N	N	3,655.00
25112-1/DP-5	300-512	3-4 MHz	20+ dB	5	115 VAC	9-12	N	BNC	4,455.00
25112-0/DP-5	300-512	3-4 MHz	20+ dB	5	115 VAC	9-12	N	N	4,455.00
25116-1/DP-5	300-512	3-4 MHz	20+ dB	5	115 VAC	13-16	N	BNC	4,575.00
25116-0/DP-5	300-512	3-4 MHz	20+ dB	5	115 VAC	13-16	N	N	4,575.00

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	20+ dB	5	115 VAC	2	N	BNC	2,240.00
26102-0/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	2	N	N	2,240.00
26104-1/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	3-4	N	BNC	2,305.00
26104-0/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	3-4	N	N	2,305.00
26108-1/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	5-8	N	BNC	2,540.00
26108-0/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	5-8	N	N	2,540.00
26112-1/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	9-12	N	BNC	3,160.00
26112-0/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	9-12	N	N	3,160.00
26116-1/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	13-16	N	BNC	3,305.00
26116-0/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	13-16	N	N	3,305.00

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	20+ dB	5	115 VAC	2	N	BNC	2,240.00
26102-0/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	2	N	N	2,240.00
26104-1/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	3-4	N	BNC	2,305.00
26104-0/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	3-4	N	N	2,305.00
26108-1/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	5-8	N	BNC	2,540.00
26108-0/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	5-8	N	N	2,540.00
26112-1/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	9-12	N	BNC	3,160.00
26112-0/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	9-12	N	N	3,160.00
26116-1/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	13-16	N	BNC	3,305.00
26116-0/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	13-16	N	N	3,305.00

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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
94102-1/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	2	N	BNC	4,835.00
94102-0/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	2	N	N	4,835.00
94104-1/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	2-4	N	BNC	4,865.00
94104-0/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	3-4	N	N	4,865.00
94108-1/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	5-8	N	BNC	5,110.00
94108-0/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	5-8	N	N	5,110.00
94112-1/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	9-12	N	BNC	5,920.00
94112-0/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	9-12	N	N	5,920.00
94116-1/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	13-16	N	BNC	6,075.00
94116-0/P-5	138-225	3-8 MHz	20+ dB	5	115 VAC	13-16	N	N	6,075.00
95102-1/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	2	N	BNC	4,895.00
95102-0/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	2	N	N	4,895.00
95104-1/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	3-4	N	BNC	4,925.00
95104-0/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	3-4	N	N	4,925.00
95108-1/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	5-8	N	BNC	5,170.00
95108-0/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	5-8	N	N	5,170.00
95112-1/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	9-12	N	BNC	5,980.00
95112-0/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	9-12	N	N	5,980.00
95116-1/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	13-16	N	BNC	6,135.00
95116-0/P-5	300-512	3-10 MHz	20+ dB	5	115 VAC	13-16	N	N	6,135.00

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
95104-1/DP-5	300-512	3 to 4 MHz	20+ dB	5	115 VAC	5-8	N	BNC	6,565.00
95104-0/DP-5	300-512	3 to 4 MHz	20+ dB	5	115 VAC	5-8	N	N	6,565.00
95108-1/DP-5	300-512	3 to 4 MHz	20+ dB	5	115 VAC	5-8	N	BNC	6,765.00
95108-0/DP-5	300-512	3 to 4 MHz	20+ dB	5	115 VAC	5-8	N	N	6,765.00
95112-1/DP-5	300-512	3 to 4 MHz	20+ dB	5	115 VAC	9-12	N	BNC	7,550.00
95112-0/DP-5	300-512	3 to 4 MHz	20+ dB	5	115 VAC	9-12	N	N	7,550.00
95116-1/DP-5	300-512	3 to 4 MHz	20+ dB	5	115 VAC	13-16	N	BNC	7,705.00
95116-0/DP-5	300-512	3 to 4 MHz	20+ dB	5	115 VAC	13-16	N	N	7,705.00

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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	20+ dB	5	115 VAC	3-4	N	BNC	5,100.00
96104-0/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	3-4	N	N	5,100.00
96108-1/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	5-8	N	BNC	5,315.00
96108-0/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	5-8	N	N	5,315.00
96112-1/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	9-12	N	BNC	6,135.00
96112-0/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	9-12	N	N	6,135.00
96116-1/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	13-16	N	BNC	6,255.00
96116-0/P-5C	806-894	3-15 MHz	20+ dB	5	115 VAC	13-16	N	N	6,255.00
96104-1/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	3-4	N	BNC	5,100.00
96104-0/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	3-4	N	N	5,100.00
96108-1/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	5-8	N	BNC	5,315.00
96108-0/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	5-8	N	N	5,315.00
96112-1/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	9-12	N	BNC	6,135.00
96112-0/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	9-12	N	N	6,135.00
96116-1/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	13-16	N	BNC	6,255.00
96116-0/P-5D	894-960	3-15 MHz	20+ dB	5	115 VAC	13-16	N	N	6,255.00

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 (BPS)	Amp Bypass	550.00
Add (S)	Lightening Protection (Tower Top only, includes 1 Lightening Protector)	265.00
Add (ST)	Change a Tower Top Nema enclosure from aluminum to stainless steel	NET 905.00
Add (02)	230 VAC Primary Voltage Source	0.00
Add (03)	12 VDC Regulator 1/2 amp assembly	0.00
Add (TTMON)	Tower Top Monitor	650.00
Add (11)	115 VAC Primary Voltage Source, 1 amp DC output current	315.00
Add (ATS)	Pin diode attenuator, separate from amplifier (variable attenuator)	305.00

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AMPLIFIERS

Model Number	Frequency Band (MHz)	Gain	Noise Figure	1 dB Com.	IP3	Bias Voltage	Connectors	Unit Price
204316/RP1	30-88	24 dB	2.0 dB	+22 dBm	+37 dBm	13.6	BNC	590.00
204416/RP1	118-225	22 dB	0.4 dB	+22 dBm	+37 dBm	13.6	BNC	590.00
204516/RP1A	380-420	20 dB	0.5 dB	+22 dBm	+37 dBm	13.6	BNC	590.00
204516/RP1B	406-512	20 dB	0.5 dB	+22 dBm	+37 dBm	13.6	BNC	590.00
204616/RP1	764-960	18 dB	0.7 dB	+22 dBm	+37 dBm	13.6	BNC	590.00

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

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	150.00
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	180.00
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	380.00
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	380.00

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iPM-1 INTERNET POWER MONITORING

Model Number	No. Chan	Description	Dry Contact Alarm	DC Power	IP Protocol	Unit Price
		Includes:				
iPM1	1	1 iPM1 unit, 6' RJ11 cable and 1 power sensor	J1 Plug	13.8 VDC	HTML	1,250.00
iPM1-1	1	1 iPM1 unit, 6' RJ11 cable,1 power sensor and 1 RU panel	J1 Plug	13.8 VDC	HTML	1,350.00
iPM1-2	2	2 iPM1 units, 2-6' RJ11 cable and 2 power sensor and 1 RU panel	J1 Plug	13.8 VDC	HTML	2,600.00
iPM1-3	3	3 iPM1 units, 3-6' RJ11 cable and 3 power sensor and 1 RU panel	J1 Plug	13.8 VDC	HTML	3,850.00
iPM1-4	4	4 iPM1 units, 4-6' RJ11 cable and 4 power sensor coupler and 1 RU panel	J1 Plug	13.8 VDC	HTML	5,100.00

POWER SENSORS

Model Number	Frequency Band (MHz)	Operating BW	Power Input Max. Cont.	Directivity (Min.)	Insertion Loss (Max.)	Return Loss (I/O Port)	Connectors	Unit Price
2491/T2(ADCRMS)	134-174	50 MHz (min)	1000 W	25 dB	0.15 dB	20 dB (min)	N-Female, RJ11	405.00
2591/T2(ADCRMS)	380-512	50 MHz (min)	1000 W	25 dB	0.15 dB	20 dB (min)	N-Female, RJ11	405.00
2691/T2(ADCRMS)	650-960	50 MHz (min)	1000 W	25 dB	0.15 dB	20 dB (min)	N-Female, RJ11	405.00

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

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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

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

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	Connectors Input	Connectors Output	Unit Price
2470/0	150-174	2-Way Hybrid Coupler	≤350 W	N Female	N Female	400.00
2473/0	150-174	3-Way Hybrid Coupler	≤350 W	N Female	N Female	500.00
2474/0	150-174	4-Way Hybrid Coupler	≤350 W	N Female	N Female	600.00
2572/0	390-512	2-Way Hybrid Coupler	≤350 W	N Female	N Female	400.00
2573/0	390-512	3-Way Hybrid Coupler	≤350 W	N Female	N Female	500.00
2574/0	390-512	4-Way Hybrid Coupler	≤350 W	N Female	N Female	600.00
2575/0	390-512	5-Way Hybrid Coupler	≤350 W	N Female	N Female	700.00
2672/0	760-960	2-Way Hybrid Coupler	≤350 W	N Female	N Female	300.00
2673/0	760-960	3-Way Hybrid Coupler	≤350 W	N Female	N Female	400.00
2674/0	760-960	4-Way Hybrid Coupler	≤350 W	N Female	N Female	500.00

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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
840621/P-5	150-174	60 dB	Multi - Channel	2.0 A	5,085.00
850621	406-512	60 dB	Multi - Channel	2.0 A	4,975.00
850621/P-5	406-512	60 dB	Multi - Channel	2.0 A	5,085.00
860631/B	764-806	60 dB	Multi - Channel	2.0 A	4,975.00
860631/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
840622/SB2,SN2	150-174	60 dB	60 dB	Single Rptr. Pair	4.5 A	500 KHz	16,000.00
840622/1SC-10	150-174	60 dB	60 dB	Multi - Channel	4.5 A	3.0 MHz	9,925.00
840622/1SC-12	150-174	60 dB	60 dB	Multi - Channel	4.5 A	3.0 MHz	10,725.00
850622	400-470	60 dB	60 dB	Multi - Channel	4.5 A	3.5 MHz	9,125.00
850622/1SC-10	400-470	60 dB	60 dB	Multi - Channel	4.5 A	2.8 MHz	9,925.00
850622/1SC-12	400-470	60 dB	60 dB	Multi - Channel	4.5 A	2.2 MHz	10,725.00
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	150-174	6-10 or 10-25 dB	1	250 Watts	50 Ohms	N Female	270.00
2492/T2	150-174	6-10 or 10-25 dB	2	250 Watts	50 Ohms	N Female	360.00
2492/T2-14	150-174/390-512	6-10 or 10-25 dB	2	250 Watts	50 Ohms	N Female	350.00
2492/T2-18	150-74/764-869	6-10 or 10-25 dB	2	250 Watts	50 Ohms	N Female	350.00
2592/T	390-512	6-10 or 10-25 dB	1	250 Watts	50 Ohms	N Female	240.00
2592/T2	390-512	6-10 or 10-25 dB	2	250 Watts	50 Ohms	N Female	330.00
2592/T2-48	390-512/764-869	6-10 or 10-25 dB	2	250 Watts	50 Ohms	N Female	320.00
2692/T8	764-869	6-10 or 10-25 dB	1	250 Watts	50 Ohms	N Female	230.00
2692/T2-8	764-869	6-10 or 10-25 dB	2	250 Watts	50 Ohms	N Female	315.00
2692/T-9	896-960	6-10 or 10-25 dB	1	250 Watts	50 Ohms	N Female	230.00
2692/T2-9	896-960	6-10 or 10-25 dB	2	250 Watts	50 Ohms	N Female	315.00

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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	764-960	Quarter Wave	Unity	50 W	1.5:1 or better	N Male	220.00
B1S3/Q5BF	764-960	Quarter Wave	Unity	50 W	1.5:1 or better	N Female	220.00
B2S3/Q5BM	764-960	Dipole	Unity	50 W	1.5:1 or better	N Male	220.00
B2S3/Q5BF	764-960	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 Input	Connectors Output	Unit Price
6050/CGK	118-138/406-512	Interior/Mobile	60 dB	125 W	0.7 dB	N Female	N Female	475.00
6050/CGK-E	118-138/406-512	Exterior	60 dB	125 W	0.7 dB	N Female	N Female	575.00
6050/CHK	138-174/406-512	Interior/Mobile	60 dB	125 W	0.7 dB	N Female	N Female	475.00
6050/CHK-E	138-174/406-512	Exterior	60 dB	125 W	0.7 dB	N Female	N Female	575.00
6050/CGS	118-138/806-960	Interior/Mobile	60 dB	125 W	0.7 dB	N Female	N Female	475.00
6050/CGS-E	118-138/806-960	Exterior	60 dB	125 W	0.7 dB	N Female	N Female	575.00
6050/CHS	138-174/806-960	Interior/Mobile	60 dB	125 W	0.7 dB	N Female	N Female	475.00
6050/CHS-E	138-174/806-960	Exterior	60 dB	125 W	0.7 dB	N Female	N Female	575.00
6050/CKS	406-512/806-960	Interior/Mobile	60 dB	125 W	0.7 dB	N Female	N Female	475.00
6050/CKS-E	406-512/806-960	Exterior	60 dB	125 W	0.7 dB	N Female	N Female	575.00

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
2414-0/C								
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
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
**********	1000-2000	**********		PLEASE CONTACT THE FACTORY			**********	

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