

Receiver Multicoupler

Electrical Specifications

Frequency Band	138-225 MHz
Number of Channels	3-4
Passband Range	3-8 MHz
Number of Resonators	5
Isolation Rx-Rx (Min.)	23+ dB
Amplifier Gain (Typ.)	+20 dB
Amplifier Bias Voltage	13.6 VDC
Amplifier Noise Figure	3.0 dB
Amplifier Current Draw	200 mA
Amplifier Type	Bipolar
1dB Comp. Point	+21 dBm
System NF (Typ.)	5.0 dB
System Voltage	100-240 VAC (Optional 12 / 24 / 48 VDC)
VSWR @ Resonance (Max.)	1.25:1
Impedance (Nom.)	50 Ω
RF Connectors (I/O)	N Female / BNC Female

Mechanical Specifications

Finish	Gray Panel
Rack Mount	19" EIA
Rack Units	3 RU
Overall Size (HxWxD)	5.25" x 19" x 10" (133 x 483 x 254 mm)
Ship Weight	12 lbs (5.4 kg)

Environmental Specifications

Operating Temp. Range	-22 to 140 °F (-30 to +60 °C)
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EMR Receiver Multicouplers allow several receivers to share a common antenna. These units include a preselector, amplifier, power supply and power divider which effectively amplify a filtered band of frequencies to individual receivers. The power divider provides a minimum 20 dB of port-to-port isolation preventing signal mixing even at minimal channel separation.

Product Features

- Rugged constructed components
- Flat gain, high performance Low Noise Amplifier
- High compression point, Low IM generation

