

Pass-Notch Antenna Duplexer

Electrical Specifications

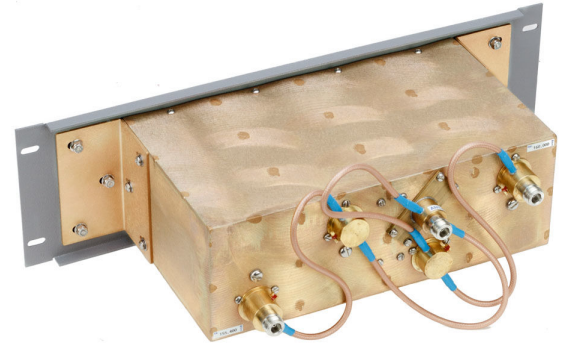
Frequency Band	144-174 MHz
Offset Tx-Rx (Min.)	5 MHz
Input Power (Max.)	100 W
Number of Resonators	4
Insertion Loss Rx-Ant (Nom.)	1.0 dB @ Min. Spacing
Insertion Loss Tx-Ant (Nom.)	1.0 dB @ Min. Spacing
Isolation (Min. / Typ.)	80 / 85 dB
VSWR (Max.)	1.25:1
Impedance (Nom.)	50 Ω
RF Connectors	N Female

Mechanical Specifications

Finish	Yellow Chem Film
Cavity Size / Quantity	3" / 4
Rack Mount	19" EIA
Rack Units	3 RU
Overall Size (HxWxD)	5.25" x 19" x 10" (133 x 483 x 254 mm)
Net Weight	7.15 lbs (3.2 kg)
Ship Weight	10 lbs (4.5 kg)

Environmental Specifications

Operating Temp. Range	-22 to 140 °F (-30 to +60 °C)
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EN Series Antenna Duplexers consist of a group of cavity resonators connected and tuned together to allow both a transmitter and a receiver to share a common antenna allowing bi-directional (duplex) communication over a single channel. These units feature compact, high Q cavities, requiring less rack space than standard 4 inch cavities. The cavities are arranged in an order which provides enough isolation to keep the transmitter from interfering with the receiver.

Product Features

- High Q Square cavities
- Space saving design
- Low insertion loss

