

Pass-Notch Antenna Duplexer

Electrical Specifications

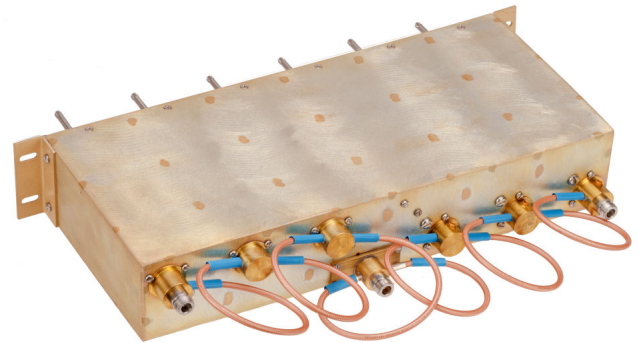
Frequency Band	144-174 MHz
Offset Tx-Rx (Min.)	3 MHz
Input Power (Max.)	100 W
Number of Resonators	6
Insertion Loss Rx-Ant (Nom.)	1.5 dB @ Min. Spacing
Insertion Loss Tx-Ant (Nom.)	1.5 dB @ Min. Spacing
Isolation (Min. / Typ.)	90 / 95 dB
VSWR (Max.)	1.25:1
Impedance (Nom.)	50 Ω
RF Connectors	N Female

Mechanical Specifications

Finish	Yellow Chem Film
Cavity Size / Quantity	3" / 6
Rack Mount	19" EIA
Rack Units	2 RU
Overall Size (HxWxD)	3.5" x 19.25" x 14" (89 x 489 x 356 mm)
Net Weight	8.2 lbs (3.7 kg)
Ship Weight	12 lbs (5.4 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

