

## Pass-Notch Antenna Iso-Plexer

### Electrical Specifications

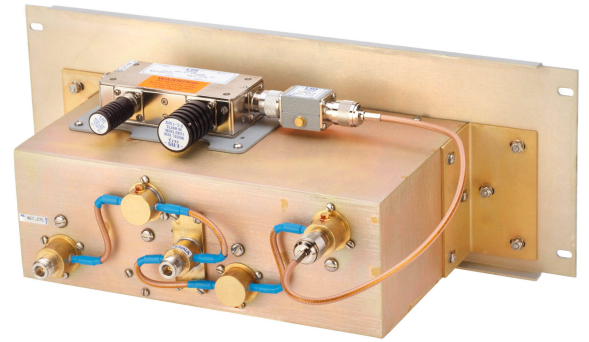
Frequency Band	144-174 MHz
Offset (Min.)	5 MHz
Bandwidth	Single repeater pair
Number of Resonators	4
Input Power (Max.)	100 W
Insertion Loss Tx (Max.)	1.2 dB
Insertion Loss Rx (Max.)	1 dB
Isolation Tx-Rx (Min. / Typ.)	80 / 85 dB
Isolation Rx-Tx (Min. / Typ.)	80 / 85 dB
Isolation Ant-Tx (Min. / Typ.)	60 / 65 dB
Isolator Stage	Dual
Impedance (Nom.)	50 Ω
RF Connectors	N Female
VSWR I/O (Max.)	1.15:1 / 1.25:1

### Mechanical Specifications

Finish	Yellow Chem Film
Cavity Size / Quantity	3" / 4
Rack Mount	19" EIA
Rack Units	4 RU
Overall Size (HxWxD)	7" x 19" x 15" (178 x 483 x 381 mm)

### Environmental Specifications

Operating Temp. Range	-22 to 140 °F (-30 to +60 °C)
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EMR Iso-Plexers allow a transmitter and a receiver to share a common antenna allowing bi-directional (duplex) communication over a single channel. These units consist of a number of cavity resonators, isolators and second harmonic filters providing adequate isolation between a transmitter and receiver sharing a common antenna. Our signature square pass-notch cavities provide greater Q while requiring less space than conventional round cavities. Multi-cavity configurations come standard with 19 inch EIA rack mounting bars or panel with chassis tray.

### Product Features

- Excellent isolation
- Second harmonic suppression
- High Q Square cavities
- Space saving design
- 5 year warranty

