

Pass-Notch Antenna Duplexer

Electrical Specifications

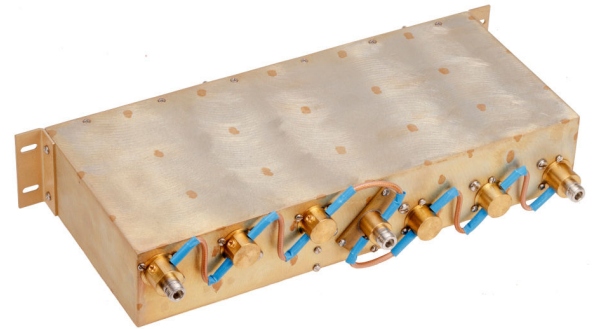
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|------------------------------|-----------------------|
| Frequency Band | 440-470 MHz |
| Offset (Min.) | 3 MHz |
| Input Power (Max.) | 100 W |
| Number of Resonators | 6 |
| Insertion Loss Rx-Ant (Nom.) | 1.3 dB @ Min. Spacing |
| Insertion Loss Tx-Ant (Nom.) | 1.3 dB @ Min. Spacing |
| Isolation (Min. / Typ.) | 90 / 95 dB |
| VSWR (Max.) | 1.25:1 |
| Impedance (Nom.) | 50 Ω |
| RF Connectors | N Female |

Mechanical Specifications

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|------------------------|--|
| 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 12" (89 x 489 x 305 mm) |
| Net Weight | 8.2 lbs (3.7 kg) |
| Ship Weight | 12 lbs (5.4 kg) |

Environmental Specifications

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|-----------------------|-------------------------------|
| Operating Temp. Range | -22 to 140 °F (-30 to +60 °C) |
|-----------------------|-------------------------------|



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

