

Isolator Cavity Resonator

Electrical Specifications

Frequency Band	440-512 MHz
Input Power (Max.)	50 W
Reflected Power (Max.)	50 W
Attenuation	20+ dB @ ± 5 MHz Fc
Isolation Ant-Tx (Min. / Typ.)	30 / 35 dB
Insertion Loss (Max.)	1.4 dB
Isolator Stage	Single
VSWR I/O (Max.)	1.1:1
Electrical Length	$1/4 \lambda$
Impedance (Nom.)	50 Ω
RF Connectors	N Female

Mechanical Specifications

Finish	Gray Paint
Rack Mount	19" EIA (with optional bars or panel)
Cavity Body Dimensions (WxD)	4" x 4" (102 x 102 mm)
Overall Size (HxWxD)	14-18" x 19" x 6" (356-457 x 483 x 152 mm)
Ship Weight	8 lbs (3.6 kg)

Environmental Specifications

Operating Temp. Range	-22 to 140 °F (-30 to +60 °C)
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EMR Iso-Cavity Resonators combine an isolator and band-pass cavity resonator connected with a critical length cable. Our wideband isolators maintain low insertion loss with stable operation providing excellent isolation. Our signature square 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
- High Q Square cavities
- Space saving design
- Low insertion loss
- 5 year warranty

