

## Isolator Cavity Resonator

### Electrical Specifications

Frequency Band	150-190 MHz
Input Power (Max.)	125 W
Reflected Power (Max.)	60 W
Attenuation	25+ dB @ $\pm 5$ MHz Fc
Isolation Ant-Tx (Min. / Typ.)	60 / 70 dB
Insertion Loss (Max.)	1.7 dB
Isolator Stage	Dual
VSWR I/O (Max.)	1.1:1
Electrical Length	$1/4 \lambda$
Impedance (Nom.)	50 $\Omega$
RF Connectors	N Female

### Mechanical Specifications

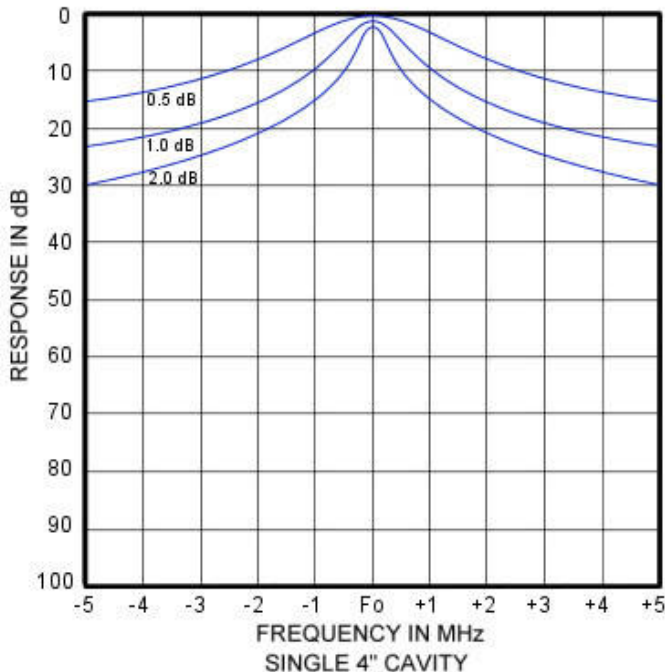
Finish	Gray Paint
Rack Mount	19" EIA
Cavity Body Dimensions (WxD)	4" x 4" (102 x 102 mm)
Overall Size (HxWxD)	26-34.25" x 19" x 6" (660-870 x 483 x 152 mm)
Ship Weight	14 lbs (6.4 kg)

### 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