

## Pass-Notch Cavity Resonator

### Electrical Specifications

Frequency Band	144-190 MHz
Attenuation	30+ dB @ $\pm 5$ MHz Fc
Input Power (Max.)	150 W
Insertion Loss (Min-Max.)	0.5 - 2.0 dB
VSWR (Max.)	1.25:1
Electrical Length	$1/4 \lambda$
Impedance (Nom.)	50 $\Omega$
RF Connectors	N Female

### Mechanical Specifications

Finish	Gray Paint
Cavity Body Dimensions (WxD)	4" x 4" (102 x 102 mm)
Overall Size (HxWxD)	26 - 32.5" x 4" x 4" (660-826 x 102 x 102 mm)
Net Weight	7 lbs (3.2 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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EMR Pass notch cavities are designed to allow a specific frequency or group of frequencies (pass band) to pass through the device while providing high rejection against a specific frequency or group of frequencies. These cavities may be factory tuned to specific frequency and are field tunable. Multiple cavities may be connected for greater selectivity with minimal insertion loss. Multi-cavity configurations come standard with 19 inch EIA rack mounting bars or panel with chassis tray.

