

## Crystal Cavity Resonator

### Electrical Specifications

Frequency Band	144-190 MHz
Attenuation	40+ dB $\pm$ 50 kHz Fc
Input Power (Max.)	Rx Application Only
Insertion Loss (Max.)	8 dB
VSWR (Max.)	1.25:1
Electrical Length	1/4 $\lambda$
Impedance (Nom.)	50 $\Omega$
RF Connectors	N Female
RF Connectors (I/O)	N Female / BNC Female

### Mechanical Specifications

Finish	Gray Paint
Cavity Body Dimensions (WxD)	4" x 4" (102 x 102 mm)
Rack Mount	19" EIA
Rack Units	18 RU (Max.)
Overall Size (HxWxD)	26-34.25" x 19" x 6" (660-870 x 483 x 152 mm)
Net Weight	15 lbs (6.8 kg)
Ship Weight	20 lbs (9.1 kg)

### Environmental Specifications

Operating Temp. Range	-22 to 140 °F (-30 to +60 °C)
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Crystal cavity resonators have a much narrower band pass which can be used in designs that require close frequency spacing. Crystal cavity filter configurations include band pass cavity, Low Noise Amplifier, power supply and crystal filter. Crystal filters are monolithic devices that resonate at very specific frequencies and are used for Rx application only.

### Product Features

- Narrow band pass
- High-Q square cavities
- 5 year warranty

