

Bandpass Cavity Resonator

Electrical Specifications

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|----------------------|--------------------|
| Frequency Band | 375-440 MHz |
| Attenuation | See response curve |
| Input Power (Max.) | 200 W |
| Insertion Loss Range | 1.0 - 4.0 dB |
| VSWR (Max. / Typ.) | 1.5:1 / 1.25:1 |
| Electrical Length | 1/4 λ |
| Impedance (Nom.) | 50 Ω |
| RF Connectors | N Female |

Mechanical Specifications

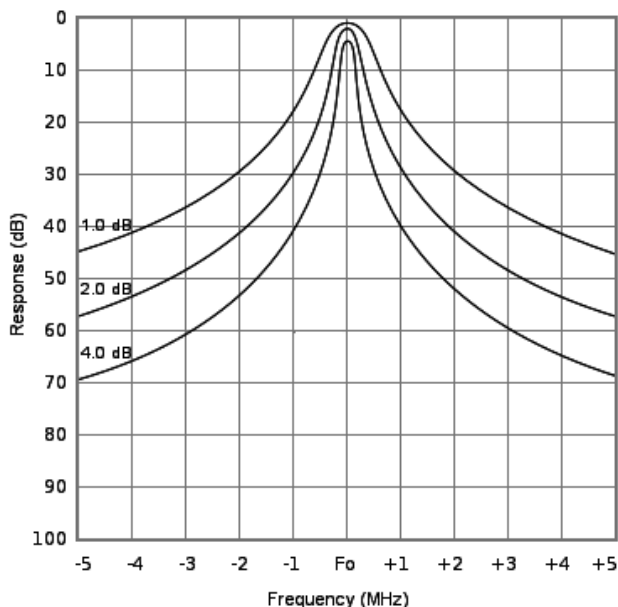
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|------------------------------|--|
| Finish | Gray Paint |
| Number of Cavities | 2 |
| Cavity Body Dimensions (WxD) | 7" x 7" (178 x 178 mm) |
| Cavity Height w/ Tuning Rod | 14-18" (356-457 mm) |
| Rack Mount | 19" EIA |
| Rack Units | 5 RU |
| Overall Size (HxWxD) | 8.75" x 19" x 14 - 18" (222 x 483 x 356-457 mm) |
| Net Weight | 14.75 lbs (6.7 kg) |
| Ship Weight | 22 lbs (10 kg) |

Environmental Specifications

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|-----------------------|-------------------------------|
| Operating Temp. Range | -22 to 140 °F (-30 to +60 °C) |
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EMR Band Pass Cavities are 1/4 wavelength, high Q cavity filters with excellent selectivity. Bandpass cavities reject frequencies outside of a narrow pass band. 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 and wider pass bandwidths. Multi-cavity configurations come standard with 19 inch EIA rack mounting bars or panel with chassis tray.



Product Notes

- Power ratings listed are based on 1 dB insertion loss setting per cavity.
- Tuning rod maximum height is dependent on frequency.