6654/SBC1

Band Pass Cavity Resonator

Electrical Specifications

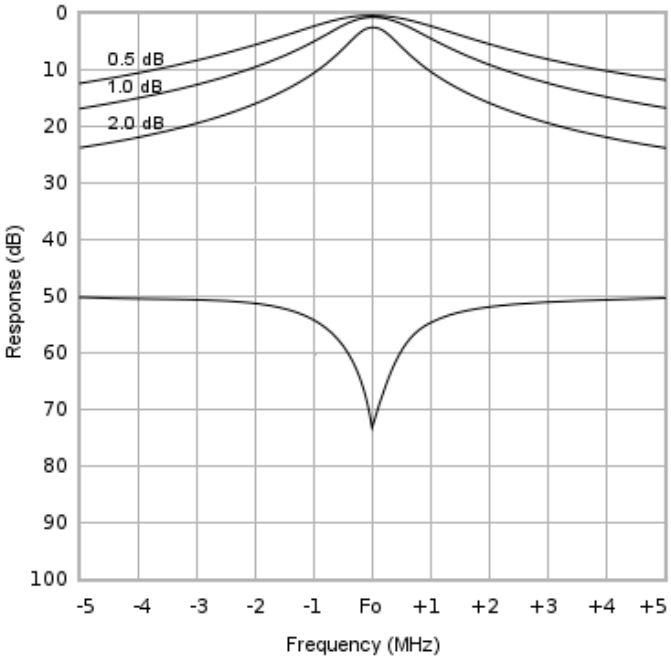
Frequency Band	806-894 MHz
Attenuation	See response curve
Insertion Loss Range	0.5 - 2.0 dB
VSWR (Max. / Typ.)	1.5:1 / 1.25:1
Input Power (Max.)	150 W
Electrical Length	1/4 λ
Impedance (Nom.)	50 Ω
RF Connectors	N Female

Mechanical Specifications

Finish	Gray Paint
Number of Cavities	1
Cavity Body Dimensions (WxD)	4" x 4" (102 x 102 mm)
Cavity Height w/ Tuning Rod	8-10" (203-254 mm)
Rack Mount	19" EIA (with optional bars or panel)
Dimensions (H x W x D)	8-10" x 4" x 4" (203-254 x 102 x 102 mm)
Net Weight	3 lbs (1.4 kg)
Ship Weight	8 lbs (3.6 kg)

Environmental Specifications

Operating Temp. Range	-22 to 140 °F (-30 to +60 °C)





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 Features

- Excellent Frequency Stability
- High-Q Square Cavities
- Low Insertion Loss
- 5 Year Warranty

All product specifications subject to change without notice.

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