

Band Reject Filters—Tunable



RLC Electronics now provides band stop and cavity filters that can be re-adjusted by the customer to new center frequencies. These filters are

tunable over a +/-7.5% center frequency range with minimal change in bandwidth.

Band Reject Filters—Tunable BRFT¹⁻²⁻³⁻⁴

Model	Center Frequency Range (MHz)	3 dB Bandwidth (% of fc)	Number of Sections	3 dB / 40 dB Bandwidth Ratio
BRFT	1,000 to 6,000	0.5 to 12	2	30
			3	7
			5	3.4
			7	2.7
			9	2.3

Power Rating: 2.0 watts
Impedance: 50 ohms
VSWR: 1.5:1, fc to 2 x fc
Outlines: Per BRF series outlines

Temperature: -55°C to +85°C
Environment: Mil-E-5400, Class 1A
Connectors: female

To designate the filter desired use:

- Center Frequency in MHz
- 3dB Bandwidth in MHz
- Number of Sections
- Connectors : N for type N, or R for SMA

Example: BRFT-1500-15-5-R is 1500 MHz center frequency, 15 MHz 3 dB bandwidth, 5 section, tunable from 1388 to 1612 MHz, Band Reject filter with SMA female connectors.

Specifications subject to change without notification.

Tolerances unless otherwise specified are .xx +/- .02, xxx +/- .005

Specials requiring closer tolerances, different frequency ranges, special connectors, different materials, finishes, etc. can be furnished upon request.



RLC ELECTRONICS, INC.

83 Radio Circle, Mount Kisco, New York 10549 Telephone 914-241-1334 Fax 914-241-1753
 e-mail: sales@rlcelectronics.com www.rlcelectronics.com

Cavity Bandpass Filters—Tunable



Cavity Bandpass Filters—Tunable CBPT-1-2-3-4

Model	Center Frequency Range (MHz)	3 dB Bandwidth (% of fc)	Number of Sections	Stopband Attenuation
CBPT	2,000 to 12,000	0.2 to 3.0	2 to 10	See Rejection Curves for Cavity Filters On Page 39

Power Rating: 15 watts
Impedance: 50 ohms
VSWR: 1.5:1
Outlines: Per CBPF series outlines

Temperature: -55°C to +85°C
Environment: Mil-E-5400, Class 1A
Connectors: female

To designate the filter desired use:

1. Center Frequency in MHz
2. 3dB Bandwidth in MHz
3. Number of Sections
4. Connectors : N for type N, or R for SMA

Example: CBPT-2500-50-7-R is 2500 MHz center frequency, 50 MHz 3 dB bandwidth, 7 section, tunable from 2312 to 2688 MHz, Band Reject filter with SMA female connectors.

Specifications subject to change without notification.

Tolerances unless otherwise specified are .xx +/- .02, xxx +/- .005

Specials requiring closer tolerances, different frequency ranges, special connectors, different materials, finishes, etc. can be furnished upon request.



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