

Surface Mount Band Pass Filters



RLC Electronics' surface mount filters offer the same excellent frequency response characteristics as our existing MBP micro miniature filters. Units capable of withstanding automated soldering temperatures can also be supplied, if required.

The packages shown are not recommended for frequency above 2.5 GHz. RLC has supplied recessed surface mount devices for use at 12 GHz and above.

Specifications

MBP-1-2-3-4

Model Number	Center Frequency Range (MHz)	3 dB Bandwidth (% of f_c)	Number of Sections	Stopband Attenuation
MBP-	10 to 500	2 to 70%	2 to 8	See Curves Page 32
	500 to 2500	2 to 50%		

VSWR: 1.5:1 Bandwidth; Curve 1 Page 30

Passband Insertion Loss (Max. at f_c): See below

0.5 dB Bandwidth: Curve 2, Page 30

1.0 dB Bandwidth: Curve 2, Page 30

Impedance: 50 ohms

Phase Linearity: $\pm 5^\circ$; Curve 4, Page 30

Power Rating: 2 Watts

Spurious: None to $2.8 \times f_c$

Environment: MIL-E-5400, Class 1A

Connectors: Pins or Tabs

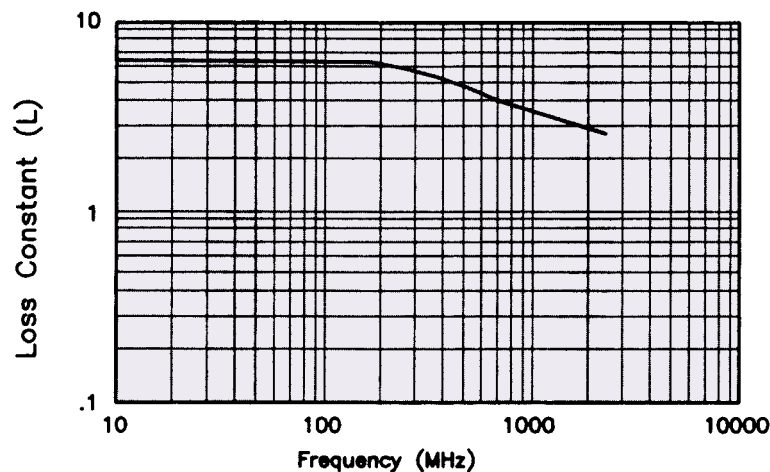
To designate the filter desired use:

- (1) Center Frequency in MHz
- (2) 3 dB Bandwidth in MHz
- (3) Number of sections

- (4) PB, TP, T8S, CB Configuration (from outlines on page 33)
Note: Configurations may not be designated outside of their range..

Example: MBP-500-50-4-PB is a 500 MHz center frequency, 50 MHz 3 dB bandwidth, 4 section, miniature band pass filter with an outline per configuration PB on page 33

Insertion Loss



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