

Surface Mount 4th Order Absorptive Bessel Filters



RLC Electronics' Surface Mount 4th Order Absorptive Bessel Filters provide the flat group delay response necessary to avoid distortion of digital signals. Signal distortion due to impedance mismatches is avoided by the

absorptive structure. These filters are well matched to 50 ohm transmission lines, far into the reject band. The surface mount configuration simplifies system design by eliminating connectors and cables.

Specifications

LBA-1-S

Model Number	-3dB Cut-off Frequency (MHz)	f/fc	Attenuation dB	Attenuation Accuracy (dB)
LBA-	50 to 4000	.2	0.1	±.2
		.4	0.4	±.2
		.6	1.0	±.2
		.8	1.9	±.2
		1.0	3.0	±.2
		1.2	4.5	±.48
		1.33	5.7	±.59
		1.4	6.4	±.64
		1.6	8.5	±.74
		1.8	10.9	±.89
		2.0	13.4	±1.0
		2.67	21.5	N/A

Power Rating: 0.5 watts
Impedance: 50 ohms
VSWR: 1.5:1, D.C. to 2x fc
 (fc is the 3dB cut-off frequency)

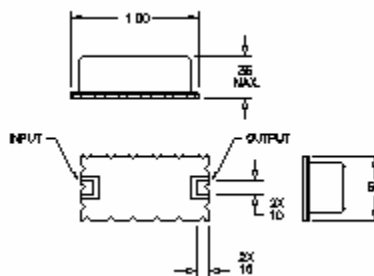
Temperature: -55C to +85C
Environmental: MIL-E-5400, Class 1A
Mounting: Surface Mount

To designate the filter desired use:

(1) 3dB cut-off frequency in MHz

Example: : LBA-500-S is a surface mount, Absorptive 4th Order Bessel filter with a 3dB point (fc) of 500 MHz.

OUTLINE DRAWING



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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