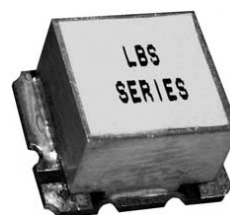


# 4th Order Surface Mount Bessel Lowpass Filters



RLC Electronics now offers 4th Order Surface Mount Bessel Lowpass Filters with the same excellent frequency response as our existing LB filters in a convenient surface mount package. These filters should be regarded as compromise designs, for pulsed systems where truthful

reproduction of the pulse shape is important. Primarily used on lightwave receivers to reduce the impact of higher order distortion. Units capable of withstanding automated soldering temperatures can also be supplied.

## Specifications LBS-1-2

Model No	-3 dB Cut-off Frequency (MHz)	F/Fc	Attenuation	Attenuation Accuracy (dB)
LBS-	10 to 2100	.2	-.01	+/- .2
		.4	-0.4	+/- .2
		.6	-1.0	+/- .2
		.8	-1.9	+/- .2
		1	-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

**Power Rating:** 2 watts average  
**Impedance:** 50 ohms  
**Connector Type:** SMT

**Temperature:** -55C to +85C  
**Environmental:** MIL-E-5400, Class 1A  
 Except operating temperature

### To designate the filter desired use:

- (1) 3dB cut-off frequency in MHz      (2) PB, TP, CB, T8S, C1, C2 configuration

**Example:** LBS-1500-PB is a 4th order lowpass with a 3dB point of 1500 MHz and 1 dB point @ .6 Fc = 900 MHz in a standard "PB" package

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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