

High Power Low Pass Filters



RLC Electronics' High Power Low Pass filters are designed for high power systems in the frequency range of 50 to 2000 MHz. Conservatively rated at 500W under extreme temperature and altitude conditions these filters

have low VSWR and approximately 2/3rds the loss of our F-80 series. These filters offer you the flexibility of choosing your cutoff as well as the number of sections for a truly custom high power low pass product.

Specifications LPP⁻¹⁻²⁻³

Model	Cut-Off Frequency Fc (MHz)	Number Of Sections	3dB Point (Typical)	30dB Point (Typical)	60dB Point (Min)
LPP	50 to 2000	2	1.4	2.5	5.2
		3	1.15	1.7	2.8
		4	1.09	1.4	2.0
		5	1.07	1.26	1.62
		6	1.05	1.18	1.44
		7	1.04	1.14	1.33
		8	1.04	1.11	1.26

Pass Band: DC to Fc

Pass Band Insertion Loss:

.06 dB per section Fc < 1000 MHz

.05 dB per section Fc > 1000MHz

Pass Band VSWR: 1.25:1 (Max)

Power: 500 Watts avg

Connectors: Type N, SC, HN

Environment: Mil-E-5400

To designate the filter desired use:

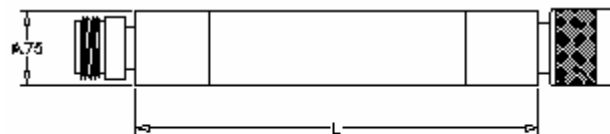
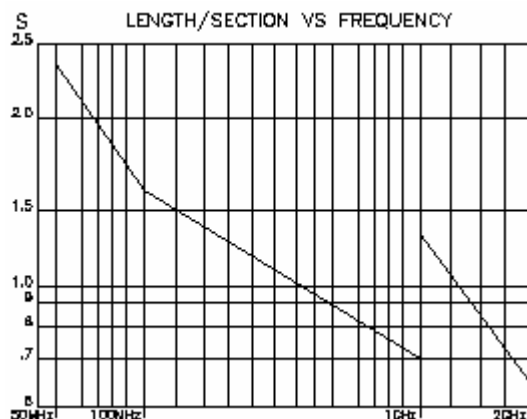
(1) Cut-off Frequency in MHz

(2) Number of sections

(3) Connector type. Add "M" or "F" for type male or female

Example: LPP-452-6-NF is a 452 MHz cutoff, 6 section filter with type N female connectors

OUTLINE DRAWING



$L = S \times N$
 N = number of sections
 S = from table above

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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