

Micro Miniature Low Pass Filters



RLC Electronics' Micro Miniature Low Pass Filters utilize proprietary dielectric materials and manufacturing techniques to achieve performance rivaling much larger devices. Standard

units are 0.05dB Chebychev design. Other responses can be manufactured when desired.

Specifications

MLP⁻¹⁻²⁻³

Model Number	Cut-Off Frequency fc (MHz)	Number of Sections	Typical 20 dB Point	Typical 30 dB Point	Typical 40 dB Point	Typical 50 dB Point	Minimum 60 dB Point
MLP	10 to 2000	3	1.36 fc	1.52 fc	1.73 fc	1.98 fc	2.30 fc
		4	1.21 fc	1.31 fc	1.43 fc	1.57 fc	1.73 fc
		5	1.16 fc	1.22 fc	1.29 fc	1.37 fc	1.48 fc
		6	1.11 fc	1.16 fc	1.21 fc	1.26 fc	1.34 fc
		7	1.09 fc	1.12 fc	1.16 fc	1.20 fc	1.26 fc
		8	1.07 fc	1.10 fc	1.13 fc	1.16 fc	1.20 fc

3dB Passband: DC to fc

Insertion Loss: DC to 90% of fc per curve

Impedance: 50 Ohms

Environmental: MIL-E-5400, Class 1A

Power Rating: 2 Watts

VSWR: 1.5:1 to 90% of fc

Stopband Attenuation: Per above table min.

To designate the filter desired use:

- (1) Cut-off Frequency in MHz
- (2) Number of Sections
- (3) Configuration from Outlines pages 33 & 35

Example: MLP-2000-6-RA is a microminiature lowpass filter with a 3dB cut-off of 2000 MHz, 6 sections and per outline configuration RA

