

# Surface Mount Low Pass Filters



RLC Electronics' surface mount low pass filters offer the same excellent frequency response characteristics of our MLP line in a package suitable for automated soldering. Standard units

are .05dB Chebychev design with up to 5 sections in our CB, C1, C2 or T8S package. Other responses and mechanical footprints are available upon request.

## Specifications

### SMLP-1-2-3

Model No	Cut-off frequency fc (MHz)	Number of sections	Typical 20dB point	Typical 30dB point	Typical 40dB point	Typical 50dB point	Typical 60dB point
SMLP	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

**3dB Passband:** DC to fc

**Insertion Loss:** DC to 90% of fc,  
per page 35 of RLC catalog

**Impedance:** 50 Ohms

**Environment:** Mil-E-5400, Class 1A

**Power Rating:** 2 Watts

**Stopband Attenuation:** Per above table min.

#### To designate the filter desired use:

- (1) Cut-off Frequency
- (2) Number of Sections
- (3) Configuration from Outlines on page 33

Example: SMLP-1500-5-CB is a Surface Mount Low Pass Filter with a 3dB cut-off of 1500 MHz, 5 sections and per outline configuration CB.

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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