

Suspended Substrate Filters, Lowpass — SL Series

◆ Features:

- Covers 2 GHz to 18 GHz Frequency Range
- Excellent Environmental Performance
- Ruggedized Package Design
- Custom Designs Available*



◆ Specifications:

3 dB Cut Off (GHz)	Passband @ <= 1 dB (GHz)	VSWR	Avg. Power (Watts)	Shape Factor (3 dB-30 dB)	Impedance (Ohms)	**Dimensions Inches / mm			Shock	Vibration	Temp.	Rel. Humidity
						L	W	H				
1	DC - 0.9	2:1	15	1.3:1*	50	2.2/55.9	1.6/40.6	0.5/12.7	20 G's, 1/2 Sine, 11 Ms	10 G's, 10 HZ - 2000 Hz	-55 to +85°C	0 — 95%
2	DC - 1.8	2:1	15	1.3:1*	50	2.0/50.8	1.5/38.1	0.5/12.7				
3	DC - 2.7	2:1	15	1.3:1*	50	1.9/48.3	1.3/33.0	0.5/12.7				
4	DC - 3.6	2:1	15	1.3:1*	50	1.8/45.7	1.0/25.4	0.5/12.7				
5	DC - 4.5	2:1	15	1.3:1*	50	1.5/38.1	1.0/25.4	0.5/12.7				
6	DC - 5.4	2:1	15	1.3:1*	50	1.3/33.0	0.9/22.9	0.5/12.7				
7	DC - 6.3	2:1	15	1.3:1*	50	1.1/27.9	0.8/20.3	0.5/12.7				
8	DC - 7.2	2:1	15	1.3:1*	50	1.1/27.9	0.75/19	0.5/12.7				
9	DC - 8.1	2:1	15	1.3:1*	50	1.1/27.9	0.75/19	0.5/12.7				
10	DC - 9	2:1	15	1.3:1*	50	1.0/25.4	0.7/17.8	0.5/12.7				
11	DC - 9.9	2:1	15	1.3:1*	50	1.0/25.4	0.7/17.8	0.5/12.7				
12	DC - 10.8	2:1	15	1.3:1*	50	1.0/25.4	0.65/16.5	0.5/12.7				
13	DC - 11.7	2:1	15	1.3:1*	50	0.9/22.9	0.65/16.5	0.5/12.7				
14	DC - 12.6	2:1	15	1.3:1*	50	0.9/22.9	0.6/15.2	0.5/12.7				
15	DC - 13.5	2:1	15	1.3:1*	50	0.9/22.9	0.65/16.5	0.5/12.7				
16	DC - 14.4	2:1	15	1.3:1*	50	0.9/22.9	0.65/16.5	0.5/12.7				
17	DC - 15.3	2:1	15	1.3:1*	50	0.9/22.9	0.65/16.5	0.5/12.7				
18	DC - 16.2	2:1	15	1.3:1*	50	.85/21.6	0.6/15.2	0.5/12.7				

* Designs also available to offer 3 dB - 50 dB shape factor up to 1.15:1. Contact factory for details.

** Dimensions are determined with SMA connectors. Contact the factory for custom requirements.

◆ To Order:

11 S L 10 — 2000 / T 2600 — O / O
1 2 3 4 5 6 7 8 9

Code

1
2
3
4
5
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9

Description

Number of Elements
Suspended Substrate
Series (Lowpass)
Package (Contact Factory)
3 dB Cutoff Frequency
Supplemental Codes (See Page 13)
Upper Stopband Limit
Input Connector
Output Connector

◆ Connectors:

Connector	Code
SMA Female	O
SMA Male	OP
N Female	N
N Male	NP



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