

Suspended Substrate Filters, Bandpass — SB Series

◆ Features:

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



◆ Specifications:

3 dB BW (GHz)	Passband @ <= 1 dB (GHz)	VSWR	Avg. Power (Watts)	Shape Factor (3 dB-30 dB)	Impedance (Ohms)	**Dimensions		
						L	W	H
2 - 6	2.1 - 5.7	2:1	15	1.3:1*	50	2.1 / 53.3	1.4 / 35.6	0.5 / 12.7
2 - 8	2.1 - 7.6	2:1	15	1.3:1*	50	1.9 / 48.3	1.2 / 30.5	0.5 / 12.7
6 - 12	6.3 - 11.4	2:1	15	1.3:1*	50	2.0 / 50.8	0.9 / 22.9	0.5 / 12.7
6 - 18	6.3 - 17.1	2:1	15	1.3:1*	50	1.6 / 40.6	0.9 / 22.9	0.5 / 12.7
Shock:		20 G's, 1/2 Sine, 11 Ms						
Vibration:		10 G's, 10 Hz - 2000 Hz						
Temperature:		-55 to +85°C						
Rel. Humidity:		0 - 95%						

* 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 B 10 - 4000 / T 4000 - O / O
1 2 3 4 5 6 7 8 9

Code	Description
1	Number of Elements
2	Suspended Substrate
3	Series (Bandpass)
4	Package (Contact Factory)
5	Center Frequency
6	Supplemental Codes
7	Bandwidth
8	Input Connector
9	Output Connector

◆ Connectors:

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