

Suspended Substrate Filters, Diplexers — SZ Series

◆ Features:

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



◆ Specifications:

5 dB Nom. Crossover Frequency (GHz)	Passband @ <= 1 dB (GHz)	VSWR	Avg. Power (Watts)	Shape Factor (3 dB-30 dB)	Impedance (Ohms)	**Dimensions Inches / mm		
						L	W	H
2	DC - 1.9 2.1 - 4	2:1	15	1.3:1*	50	2.6 / 66.0	1.4 / 35.5	0.5 / 12.7
4	DC - 3.8 4.2 - 8	2:1	15	1.3:1*	50	1.8 / 45.7	1.3 / 33.0	0.5 / 12.7
6	DC - 5.7 6.3 - 18	2:1	15	1.3:1*	50	1.6 / 40.6	1.6 / 40.6	0.5 / 12.7
8	DC - 7.6 8.4 - 18	2:1	15	1.3:1*	50	1.4 / 35.6	1.4 / 35.6	0.5 / 12.7
10	DC - 9.5 10.5 - 16	2:1	15	1.3:1*	50	1.3 / 33.0	1.3 / 33.0	0.5 / 12.7
12	DC - 11.6 12.6 - 18	2:1	15	1.3:1*	50	1.2 / 30.0	1.2 / 30.0	0.5 / 12.7

Shock: 20 G's, 1/2 Sine, 11Ms

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 Z 10 — 2000 / T 4000 — O / O
1 2 3 4 5 6 7 8 9

Code	Description
1	Number of Elements
2	Suspended Substrate
3	Series (Diplexer)
4	Package (Contact Factory)
5	Crossover at -5 dB
6	Supplemental Codes (See Page 13)
7	Upper Passband Limit
8	Input Connector
9	Output Connector

◆ Connectors:

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

Filtering Solutions for Your Global Market

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