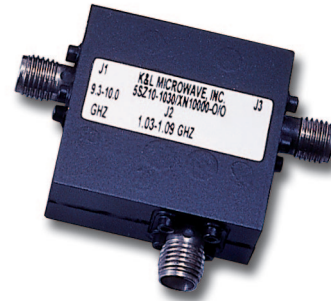


# Suspended Substrate Filters, Diplexers — SZ Series

## ◆ 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)	Part Number	**Dimensions Inches / mm		
			L	W	H
2	DC - 1.9 2.1 - 4	11SZ10-2000/T4000-O/O	2.6 / 66.0	1.4 / 35.5	0.5 / 12.7
4	DC - 3.8 4.2 - 8	11SZ10-4000/T8000-O/O	1.8 / 45.7	1.3 / 33.0	0.5 / 12.7
6	DC - 5.7 2.1 - 4	11SZ10-6000/T18000-O/O	1.6 / 40.6	1.6 / 40.6	0.5 / 12.7
8	DC - 7.6 8.4 - 18	11SZ10-8000/T18000-O/O	1.4 / 35.6	1.4 / 35.6	0.5 / 12.7
10	DC - 9.5 10.5 - 18	11SZ10-10000/T18000-O/O	1.3 / 33.0	1.3 / 33.0	0.5 / 12.7
12	DC - 11.6 12.6 - 18	11SZ10-12000/T18000-O/O	1.2 / 30.0	1.2 / 30.0	0.5 / 12.7
<b>VSWR:</b>		<b>2:1</b>			
<b>Average Power (Watts):</b>		<b>15</b>			
<b>Shape factor (3 dB - 30 dB)</b>		<b>1.3:1*</b>			
<b>Impedance (Ohms):</b>		<b>50</b>			
<b>Filter Type:</b>		<b>5-Section high pass / low pass diplexer</b>			
<b>Shape Factor (30 dB to 3 dB/ 50 dB to 3 dB):</b>		<b>2.2:1/3.5:1</b>			
<b>Impedance:</b>		<b>50 ohms</b>			
<b>RF Connectors:</b>		<b>SMA standard**</b>			

\* 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.

## ◆ Connectors:

Connector	Code
SMA Female	O
SMA Male	OP