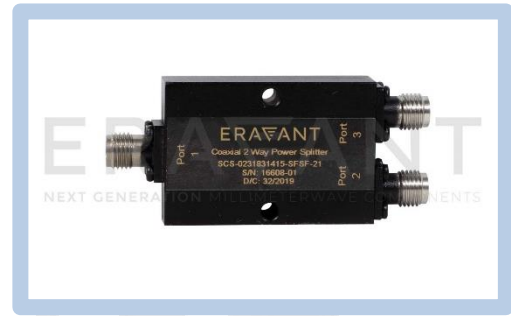


2-Way Coaxial Power Splitter, 2 to 18 GHz

Description:

Model SCS-0231831415-SFSF-21-WP is a coaxial 2-way power splitter with a typical insertion loss of 1.4 dB at each output port and a typical isolation of 15 dB across the frequency range of 2 to 18 GHz. The power splitter has a typical power handling of 2 W (CW) and a typical amplitude unbalance of 0.5 dB. The return loss for all ports is 15 dB typical. The RF connectors of the power splitter are female SMA connectors.



Features:

- Low Insertion Loss
- High Isolation
- Compact Package

Applications:

- Test Lab
- Sub-assemblies
- Test Instrumentation

Electrical Specifications:

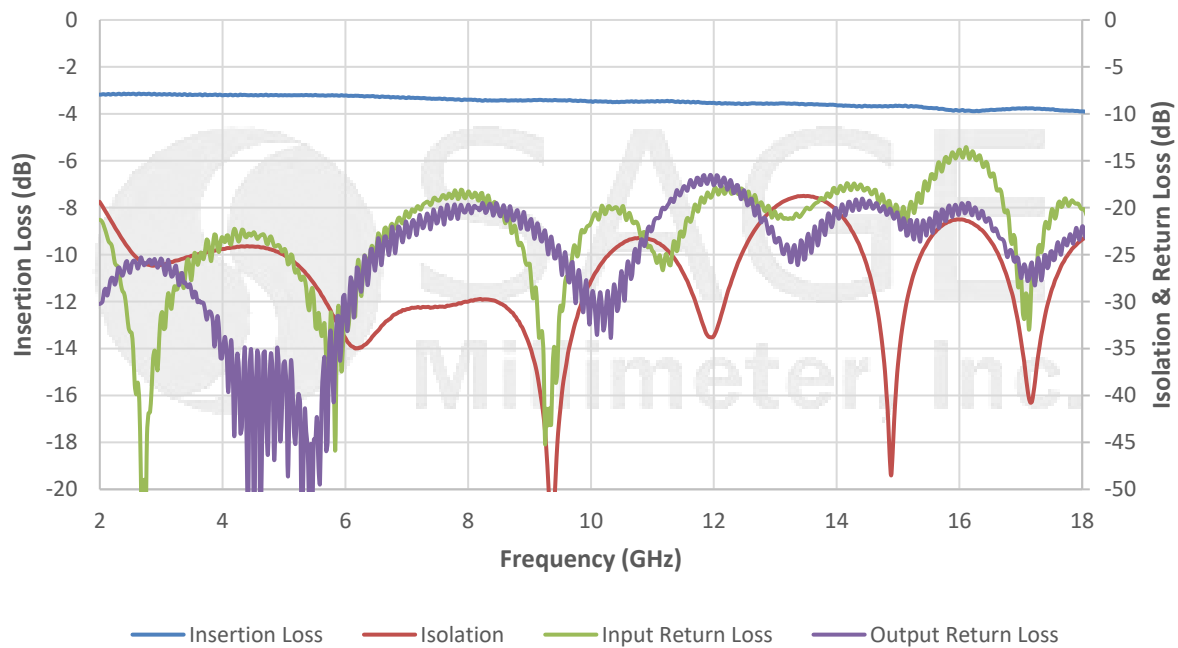
Parameter	Minimum	Typical	Maximum
Frequency Range	2 GHz		18 GHz
Insertion Loss		1.4 dB	
Amplitude Unbalance		0.5 dB	
Phase Unbalance		±5.0°	
Port Isolation		15 dB	
Forward Power Handling		2 W (CW)	
Impedance		50 Ohms	
Return Loss		15 dB	
Specification Temperature		+25 °C	
Operating Temperature	-35 °C		+80 °C

Mechanical Specifications:

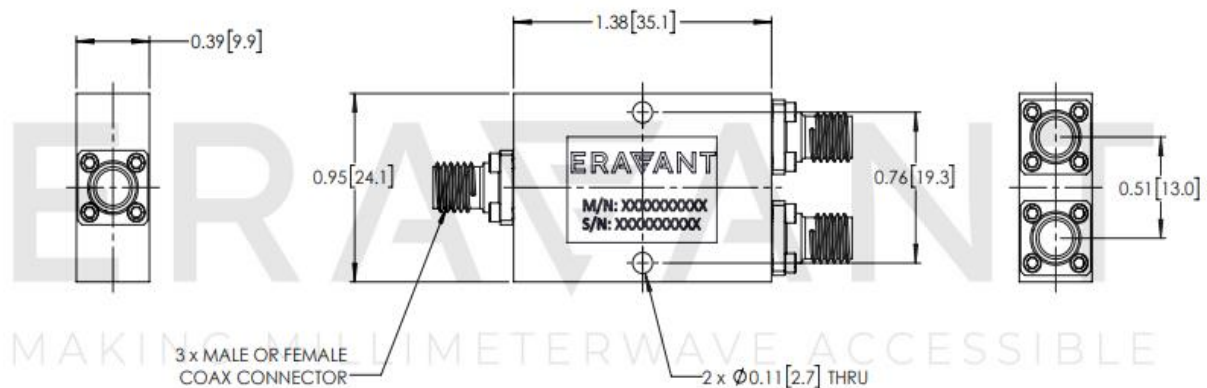
Item	Parameter
RF Connectors	SMA (F)
Case Material	Aluminum
Finish	Black Paint
Size	0.95" (L) x 1.38" (W) x 0.39" (H)
Outline	CS-K2-R3

2-Way Coaxial Power Splitter, 2 to 18 GHz

Typical Performance vs Frequency



Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])





2-Way Coaxial Power Splitter, 2 to 18 GHz

Note:

- All data presented is collected from a sample lot. Actual data may vary unit to unit, slightly.
- All testing was performed under +25 °C case temperature.
- Eravant reserves the right to change the information presented without notice.

Caution:

- Exceeding absolute maximum ratings of the switch will damage the device.
- Proper torque, 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm), should be applied. **Eravant torque wrench, model SCH-08008-U3, is highly recommended.**

