



## 16-Way Coaxial Power Splitter, 6 to 26.5 GHz

### Description:

**Model SCS-0632733015-SFSF-162** is a coaxial 16-way power splitter with a typical insertion loss of 3 dB at each output port and a typical isolation of 15 dB across the frequency range of 6 to 26.5 GHz. The power splitter has a nominal power handling of 30 W (CW) and a typical amplitude unbalance of  $\pm 1.5$  dB. The return loss for all ports is 9 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	6 GHz		26.5 GHz
Insertion Loss*		3.0 dB	
Amplitude Unbalance		$\pm 1.5$ dB	
Phase Unbalance		$\pm 13.0^\circ$	
Port Isolation		15 dB	
Return Loss		9 dB	
Forward Power Handling			30 W (CW)
Impedance		50 Ohms	
Specification Temperature		+25 °C	
Operating Temperature	-35 °C		+80 °C

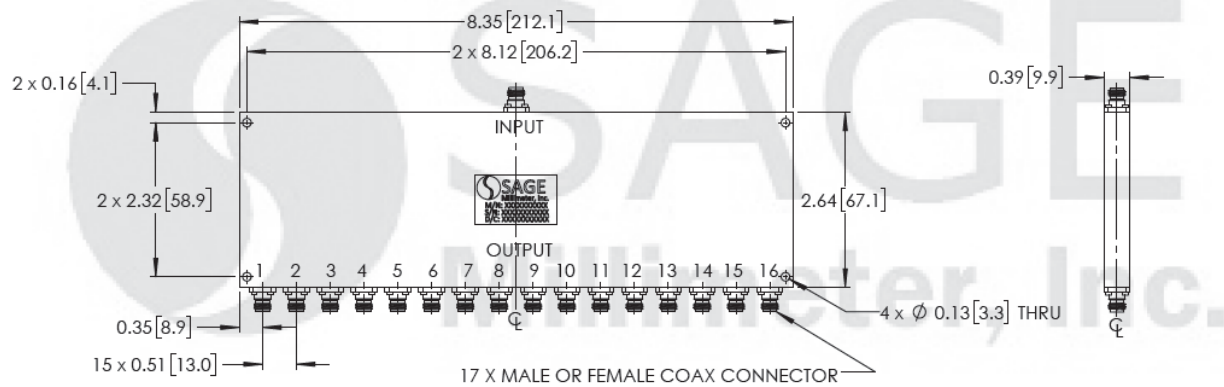
\*Note: The insertion loss is circuit loss, which does not include the power dividing loss.

### Mechanical Specifications:

Item	Parameter
RF Connectors	SMA (F)
Case Material	Aluminum
Finish	Black Paint
Size	8.35" (L) x 2.64" (W) x 0.39" (H)
Outline	CS-K16-SR1

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



**Note:**

- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

**Caution:**

- Exceeding absolute maximum ratings of the switch will damage the device.
- Proper torque,  $8.0 \pm 0.15$  inch-pounds ( $0.90 \pm 0.02$  Nm), should be applied. **SAGE Millimeter torque wrench, model SCH-08008-S1, is highly recommended.**

