

CA-SFSF

SMA Female to SMA Female Adapter

Product Classification

Product Type Adapter

General Specifications

Body Style Straight

Inner Contact Plating Gold

Interface SMA Female

Interface 2 SMA Female

Mounting Angle Straight

Outer Contact Plating Trimetal

Pressurizable No

Dimensions

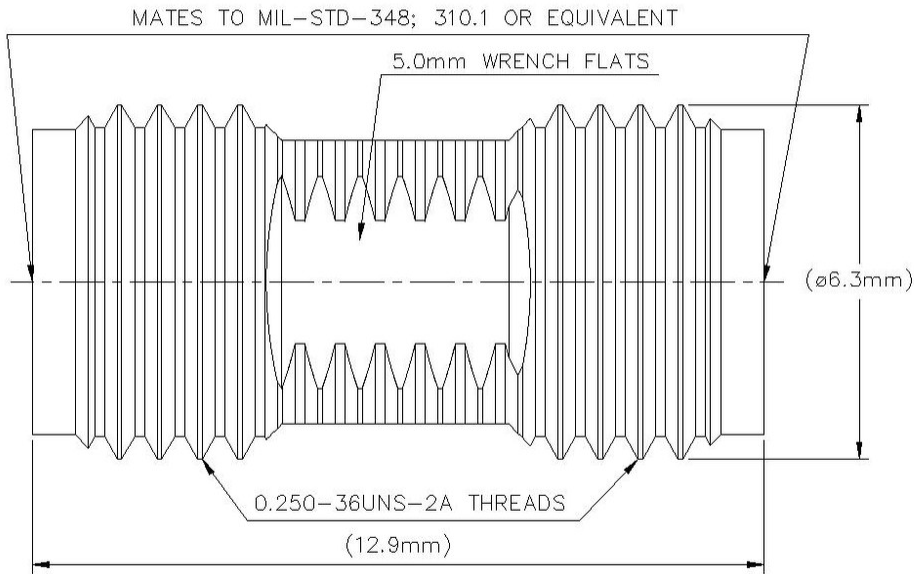
Width 6.24 mm | 0.246 in

Length 12.9 mm | 0.508 in

Diameter 6.24 mm | 0.246 in

Outline Drawing

CA-SFSF



Electrical Specifications

Average Power at Frequency	100.0 W @ 900 MHz
Connector Impedance	50 ohm
dc Test Voltage	1000 V
Inner Contact Resistance, maximum	3 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 26000 MHz
Outer Contact Resistance, maximum	2.5 mOhm
Peak Power, maximum	5 kW
RF Operating Voltage, maximum (vrms)	500 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.027	37.51
3000–6000 MHz	1.038	34.59
6000–12000 MHz	1.075	28.84
12000–18000 MHz	1.119	25.02

CA-SFSF

18000–26000 MHz 1.19 21.24

Mechanical Specifications

Insertion Force	22 N 4.946 lbf
Insertion Force Method	IEC 61169-15:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-15:9.5
Mechanical Shock Test Method	IEC 60068-2-27

Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F
Average Power, Inner Conductor Temperature	100 °C 212 °F
Climatic Sequence Test Method	IEC 60068-1
Corrosion Test Method	IEC 60068-2-11
Damp Heat Steady State Test Method	IEC 60068-2-3
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Weight, net	1.46 g 0.003 lb
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Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system