

CA-SFDM



SMA Female to 7/16 DIN Male Adapter

Product Classification

Product Type Adapter

General Specifications

Body Style Straight

Inner Contact Plating Silver

Interface SMA Female

Interface 2 7-16 DIN Male

Outer Contact Plating Trimetal

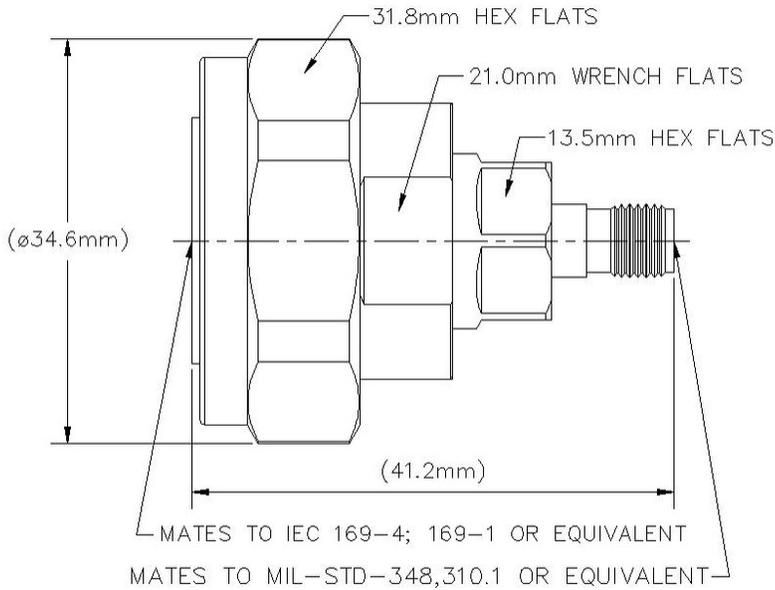
Dimensions

Length 41.23 mm | 1.623 in

Diameter 34.6 mm | 1.362 in

Outline Drawing

CA-SFDM



Electrical Specifications

Connector Impedance	50 ohm
dc Test Voltage	1000 V
Inner Contact Resistance, maximum	3 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	2.5 mOhm
RF Operating Voltage, maximum (vrms)	500 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.052	31.92
3000–6000 MHz	1.083	27.99

Mechanical Specifications

Coupling Nut Proof Torque	50 N·m 442.537 in lb
Coupling Nut Proof Torque Method	IEC 61169-4:9.3.6

CA-SFDM

Coupling Nut Retention Force	1000 N 224.809 lbf
Coupling Nut Retention Force Method	IEC 61169-4:9.3.11
Interface Durability	500 cycles
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	88.71 g 0.196 lb
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Regulatory Compliance/Certifications

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