

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

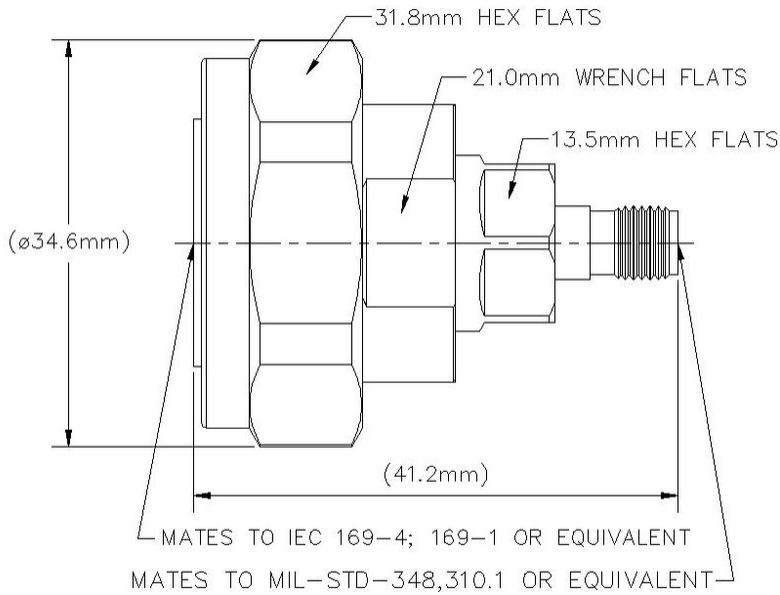
Dimensions

Length 41.23 mm | 1.623 in

Diameter 34.6 mm | 1.362 in

Outline Drawing

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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

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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