



SMA Female to SMA Male Right Angle Adapter

Product Classification

Product Type Adapter

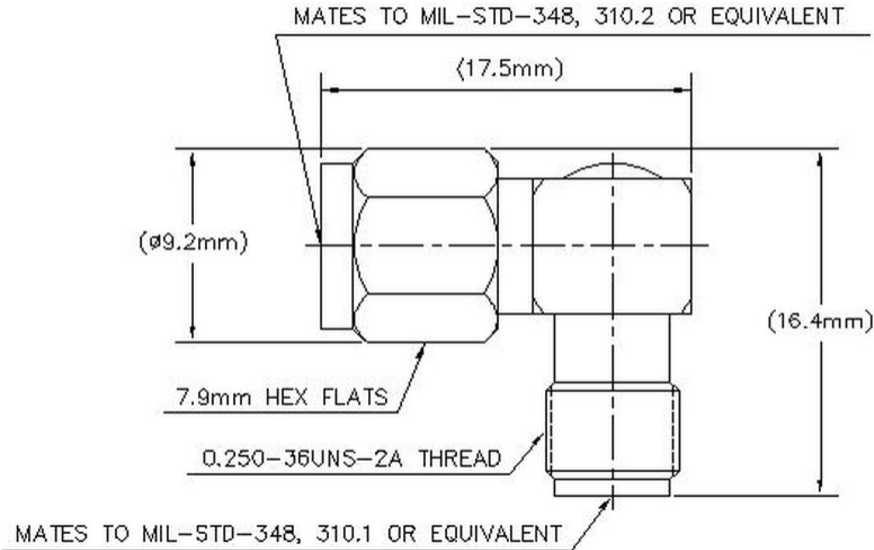
General Specifications

Body Style	Right angle
Inner Contact Plating	Gold
Interface	SMA Female
Interface 2	SMA Male
Mounting Angle	Right angle
Outer Contact Plating	Trimetal
Pressurizable	No

Dimensions

Width	16.37 mm 0.644 in
Length	29.97 mm 1.18 in
Diameter	7.92 mm 0.312 in

Outline Drawing



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 – 6000 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	1.083	27.99
3000-6000 MHz	1.083	27.99

Mechanical Specifications

Coupling Nut Proof Torque	1.7 N-m 15.046 in lb
Coupling Nut Proof Torque Method	IEC 61169-15:9.3.6
Coupling Nut Retention Force	180 N 40.466 lbf

Coupling Nut Retention Force Method	IEC 61169-15:9.3.11
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	8.21 g 0.018 lb
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Regulatory Compliance/Certifications

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