

CA-SFQMR

SMA Female to QMA Male Right Angle Adapter



Product Classification

Product Type Adapter

General Specifications

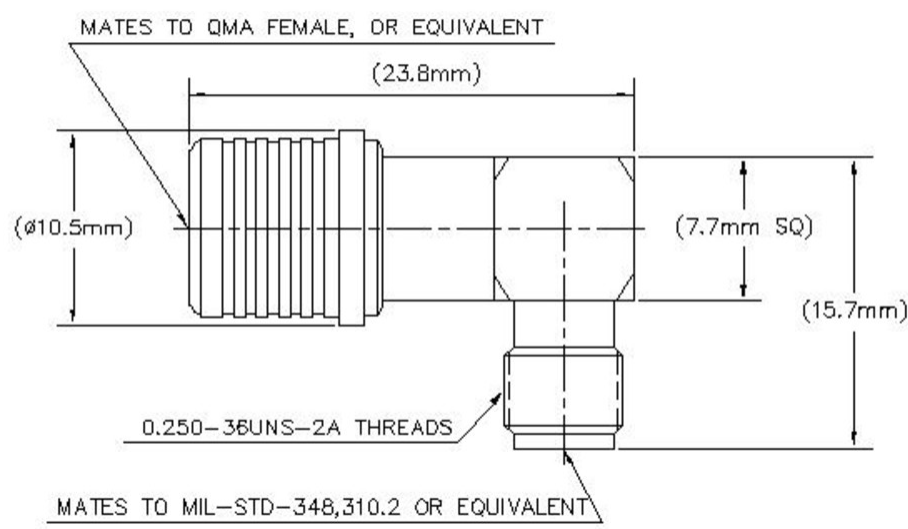
Body Style	Right angle
Inner Contact Plating	Gold
Interface	SMA Female
Interface 2	QMA Male
Mounting Angle	Right angle
Outer Contact Plating	Trimetal
Pressurizable	No

Dimensions

Width	10.5 mm 0.413 in
Length	23.8 mm 0.937 in
Diameter	17.06 mm 0.672 in

Outline Drawing

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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 – 11000 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	1.042	33.74
3000-6000 MHz	1.066	29.92
6000-11000 MHz	1.239	19.44

Mechanical Specifications

Insertion Force	22 N 4.946 lbf
Insertion Force Method	IEC 61169-15:9.3.5

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Interface Durability	100 cycles
Interface Durability Method	IEC 61169-16:9.5
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	9.02 g 0.02 lb
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Regulatory Compliance/Certifications

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