Straight SMA Female to QMA Male Adapter



Product Classification

Product Type Adapter

General Specifications

Body Style Straight
Inner Contact Plating Gold

InterfaceSMA FemaleInterface 2QMA MaleMounting AngleStraightOuter Contact PlatingTrimetalPressurizableNo

Dimensions

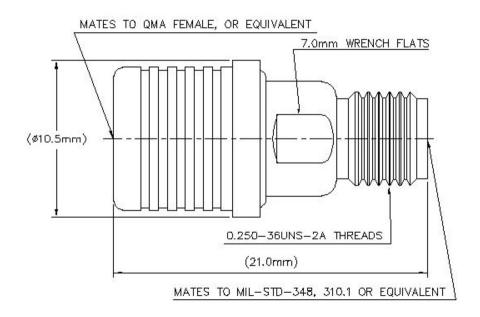
 Width
 10.5 mm | 0.413 in

 Length
 21.03 mm | 0.828 in

 Diameter
 10.5 mm | 0.413 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 - 18000 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	1.029	36.9
3000-6000 MHz	1.048	32.61
6000-9000 MHz	1.112	25.51
12000-18000 MHz	1.227	19.84

Mechanical Specifications

Insertion Force 22 N | 4.946 lbf



CA-SFQM

Insertion Force Method IEC 61169-15:9.3.5

Interface Durability 100 cycles

Interface Durability MethodIEC 61169-16:9.5Mechanical Shock Test MethodIEC 60068-2-27

Environmental Specifications

Operating Temperature $-55 \,^{\circ}\text{C} \text{ to } +85 \,^{\circ}\text{C} \, (-67 \,^{\circ}\text{F to } +185 \,^{\circ}\text{F})$

Storage Temperature $-65 \,^{\circ}\text{C}$ to $+125 \,^{\circ}\text{C}$ (-85 $^{\circ}\text{F}$ to $+257 \,^{\circ}\text{F}$)

Attenuation, Ambient Temperature $20 \, ^{\circ}\text{C} \mid 68 \, ^{\circ}\text{F}$ Average Power, Ambient Temperature $40 \, ^{\circ}\text{C} \mid 104 \, ^{\circ}\text{F}$ Average Power, Inner Conductor Temperature $100 \, ^{\circ}\text{C} \mid 212 \, ^{\circ}\text{F}$

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 5.27 g | 0.012 lb

Regulatory Compliance/Certifications

Agency Classification

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

