

QMA-LOAD

QMA Male

OBSOLETE

Product Classification

Product Type Wireless and radiating connector

General Specifications

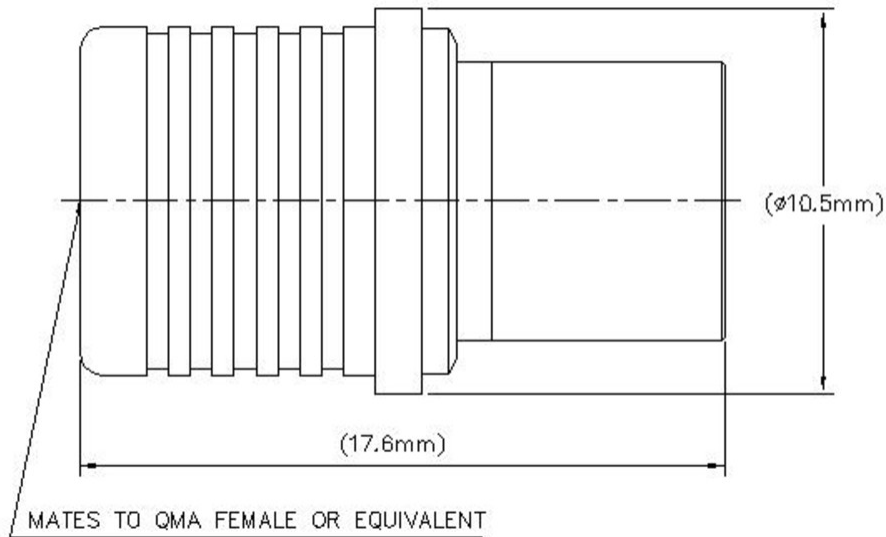
Body Style Straight
Inner Contact Plating Gold
Interface QMA Male
Mounting Angle Straight
Outer Contact Plating Trimetal
Pressurizable No

Dimensions

Length 17.53 mm | 0.69 in
Diameter 10.41 mm | 0.41 in

Outline Drawing

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Electrical Specifications

Cable Impedance	50 ohm
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
Shielding Effectiveness	-90 dB

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.08	28.3
3000–6000 MHz	1.22	20.08

Mechanical Specifications

Coupling Nut Retention Force Method	IEC 61169-15:9.3.11
Insertion Force	97.86 N 22 lbf

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Insertion Force Method	IEC 61169-16:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-4:17
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
Corrosion Test Method	IEC 60068-2-11
Moisture Resistance 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	11.91 g 0.026 lb
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Regulatory Compliance/Certifications

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

