

C085QM

QMA Male for 0.085 in CF085-50 cable

Product Classification

Product Type Wireless and radiating connector

General Specifications

Interface QMA Male

Body Style Straight

Mounting Angle Straight

Electrical Specifications

Connector Impedance 50 ohm

Operating Frequency Band 0 – 6000 MHz

Average Power at Frequency 0.2 kW @ 900 MHz

Cable Impedance 50 ohm

3rd Order IMD, typical -112 dBm @ 910 MHz

3rd Order IMD Test Method Two +43 dBm carriers

RF Operating Voltage, maximum (vrms) 500.00 V

dc Test Voltage 1000 V

Outer Contact Resistance, maximum 2.50 mOhm

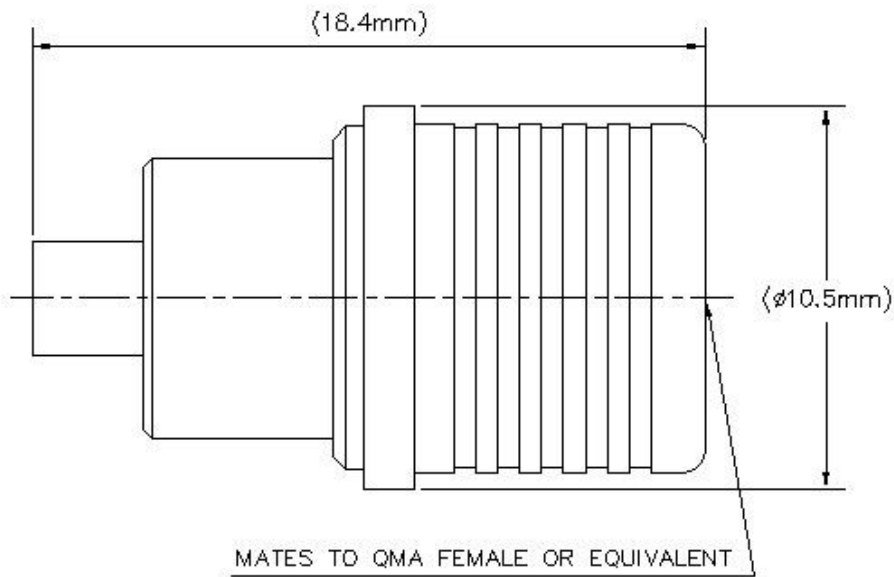
Inner Contact Resistance, maximum 3.00 mOhm

Insulation Resistance, minimum 5000 MOhm

Peak Power, maximum 0.21 kW

Shielding Effectiveness -100 dB

Outline Drawing



Mechanical Specifications

Outer Contact Attachment Method	Solder
Inner Contact Attachment Method	Solder
Outer Contact Plating	Trimetal
Inner Contact Plating	Gold
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-4:17
Insertion Force	97.86 N 22.00 lbf
Insertion Force Method	IEC 61169-16:9.3.5
Pressurizable	No

Dimensions

Diameter	10.50 mm 0.41 in
Height	10.50 mm 0.41 in
Length	18.39 mm 0.72 in
Weight	15.00 g 0.03 lb
Width	10.50 mm 0.41 in

Environmental Specifications

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Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Immersion Test Mating	Mated
Moisture Resistance Test Method	IEC 60068-2-3
Mechanical Shock Test Method	IEC 60068-2-27
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6
Corrosion Test Method	IEC 60068-2-11

Standard Conditions

Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F
Average Power, Inner Conductor Temperature	100 °C 212 °F

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU
ISO 9001:2015
China RoHS SJ/T 11364-2014

Classification

Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)

