TA-QFDM

QMA Female to 7-16 DIN Male Low-PIM Adapter

Product Classification

Product Type	Adapter

General Specifications

Body Style	Straight
Inner Contact Plating	Silver
Interface	QMA Female
Interface 2	7-16 DIN Male
Outer Contact Plating	Trimetal

Dimensions

Height	317.5 mm | 12.5 in
Length	39.3 mm | 1.547 in
Diameter	34.6 mm | 1.362 in

Outline Drawing

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31.8mm HEX FLATS
21.0mm WRENCH FLATS
(ø34.6mm)
(39.3mm)
MATES TO QMA MALE OR EQUIVALENT
MATES TO IEC 169-4; 169-1 OR EQUIVALENT
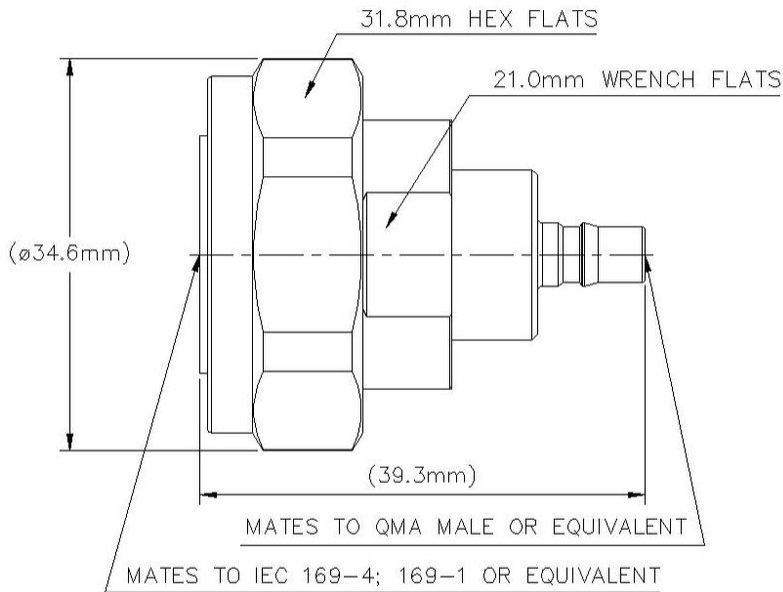
Electrical Specifications

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
RF Operating Voltage, maximum (vrms)	500 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.06	32

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3000–6000 MHz	1.09	28

Mechanical Specifications

Coupling Nut Proof Torque	50 N-m | 442.537 in lb
Coupling Nut Proof Torque Method	IEC 61169-4:9.3.6
Coupling Nut Retention Force	1000 N | 224.809 lbf
Coupling Nut Retention Force Method	IEC 61169-4:9.3.11
Interface Durability	500 cycles
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)
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	87.91 g | 0.194 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

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