TA-XMDM

NEX10 Male to 7/16 DIN Male Adapter

Product Classification

Product Type	Adapter

General Specifications

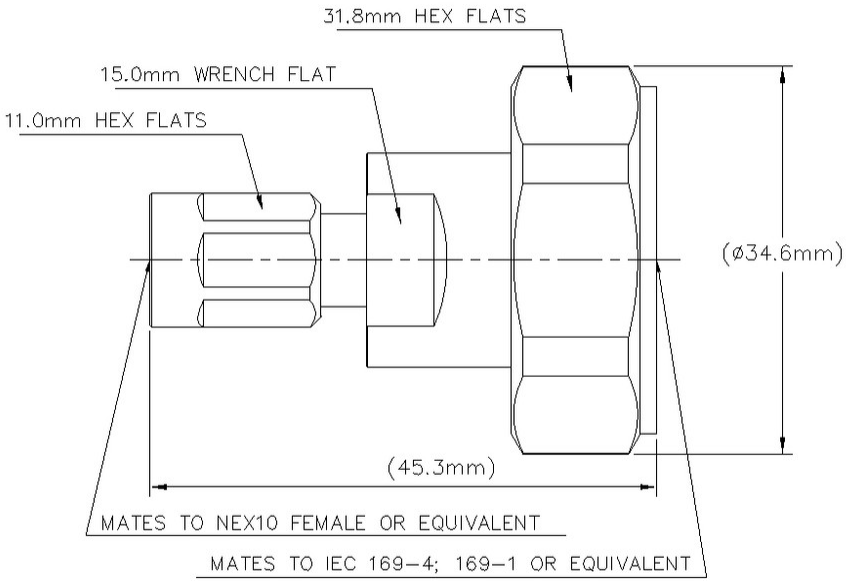
Body Style	Straight
Inner Contact Plating	Silver
Interface	NEX10 Male
Interface 2	7-16 DIN Male
Outer Contact Plating	Trimetal

Dimensions

Length	45.29 mm | 1.783 in
Diameter	34.6 mm | 1.362 in

Outline Drawing

TA-XMDM



Electrical Specifications

3rd Order IMD at Frequency	-120 dBm @ 1900 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
Connector Impedance	50 ohm
dc Test Voltage	1500 V
Inner Contact Resistance, maximum	3 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	1 mOhm
RF Operating Voltage, maximum (vrms)	500 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.052	31.92
3000–6000 MHz	1.094	26.96

Mechanical Specifications

TA-XMDM

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	100 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)
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
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Weight, net	87.32 g | 0.193 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours