TA-NMDF



Type N Male to 7-16 DIN Female Low-PIM Adapter

Product Classification

Product Type Adapter

General Specifications

Interface N Male

Interface 2 7-16 DIN Female

Body StyleStraightMounting AngleStraight

Electrical Specifications

Connector Impedance 50 ohm **Operating Frequency Band** 0 – 6000 MHz

Average Power at Frequency 600.0 W @ 900 MHz

3rd Order IMD, typical -163 -dBc @ 1800 MHz

3rd Order IMD Test Method Two +43 dBm carriers

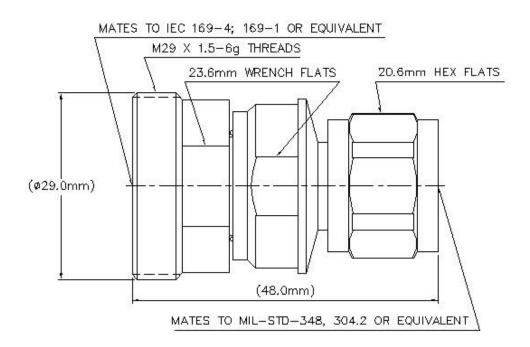
RF Operating Voltage, maximum (vrms) 707.00 V
dc Test Voltage 2500 V
Outer Contact Resistance, maximum 0.40 mOhm
Inner Contact Resistance, maximum 1.50 mOhm

Insulation Resistance, minimum 5000 MOhm
Peak Power, maximum 10.00 kW

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Outline Drawing



Mechanical Specifications

Coupling Nut Proof Torque1.70 N-m1.25 ft lbCoupling Nut Proof Torque MethodIEC 61169-16:9.3.6Coupling Nut Retention Force450.00 N101.16 lbfCoupling Nut Retention Force MethodIEC 61169-16:9.3.11

Inner Contact Plating Silver

Insertion Force200.00 N | 44.96 lbfInsertion Force MethodIEC 61169-16:9.3.5Interface Durability500 cycles

Interface Durability Method IEC 61169-16:9.5 | IEC 61169-4:17

Outer Contact Plating Trimetal
Pressurizable No

Dimensions

 Diameter
 23.62 mm | 0.93 in

 Length
 48.00 mm | 1.89 in

 Weight
 108.00 g | 0.24 lb

 Width
 23.62 mm | 0.93 in

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TA-NMDF

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)

Mechanical Shock Test MethodIEC 60068-2-27Climatic Sequence Test MethodIEC 60068-1Damp Heat Steady State Test MethodIEC 60068-2-3Thermal Shock Test MethodIEC 60068-2-14Vibration Test MethodIEC 60068-2-6Corrosion Test MethodIEC 60068-2-11

Standard Conditions

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

Return Loss/VSWR

 Frequency Band
 VSWR
 Return Loss (dB)

 0-3000 MHz
 1.03
 36.00

 3000-6000 MHz
 1.17
 22.00

Regulatory Compliance/Certifications

Agency Classification

RoHS 2011/65/EU Compliant by Exemption

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

China RoHS SJ/T 11364-2014 Above Maximum Concentration Value (MCV)







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