

TA-PDMDF

7-16 DIN Male to 7-16 DIN Female Adapter

OBSOLETE

This product was discontinued on: August 9, 2010

Replaced By:

CA-DMDF	7-16 DIN Male to 7-16 DIN Female Adapter
TA-DMDF	7-16 DIN Male to 7-16 DIN Female Low-PIM Adapter
TA-DMDF-P	7-16 DIN Male to 7-16 DIN Female Low-PIM Adapter

Product Classification

Product Type Adapter

General Specifications

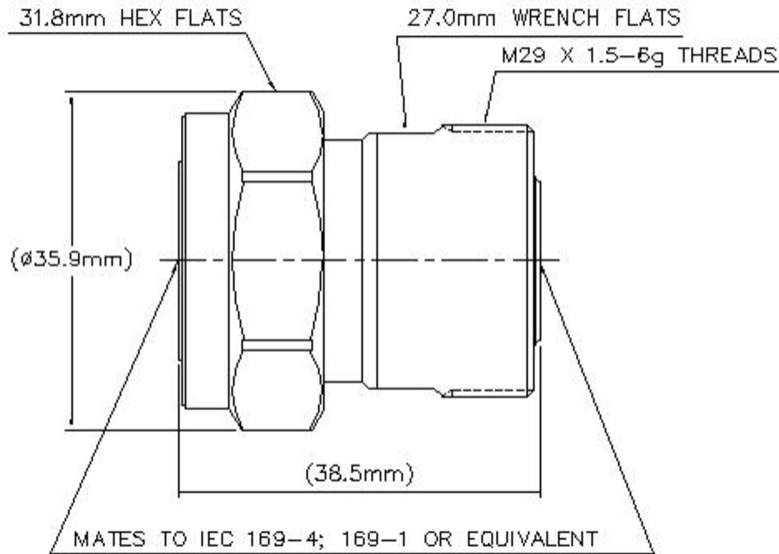
Body Style	Straight
Inner Contact Plating	Silver
Interface	7-16 DIN Male
Interface 2	7-16 DIN Female
Mounting Angle	Straight
Outer Contact Plating	Silver
Pressurizable	No

Dimensions

Width	31.75 mm 1.25 in
Length	38.47 mm 1.515 in
Diameter	31.75 mm 1.25 in

Outline Drawing

TA-PDMDF



Electrical Specifications

3rd Order IMD at Frequency	-163 dBc @ 910 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power at Frequency	1,300.0 W @ 900 MHz
Connector Impedance	50 ohm
dc Test Voltage	4000 V
Inner Contact Resistance, maximum	0.4 mOhm
Insulation Resistance, minimum	10000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	1.5 mOhm
Peak Power, maximum	28.8 kW
RF Operating Voltage, maximum (vrms)	1200 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
824–960 MHz	1.011	45.25
1710–1880 MHz	1.013	43.8
1850–1990 MHz	1.014	43.16
1910–2200 MHz	1.02	40.09

TA-PDMDF

2200–2700 MHz

1.02

40.09

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	800 N 179.847 lbf
Coupling Nut Retention Force Method	IEC 61169-4:9.3.11
Insertion Force	200 N 44.962 lbf
Insertion Force Method	IEC 61169-4:15.2.4
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-4:9.5
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
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Weight, net	132 g 0.291 lb
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