

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

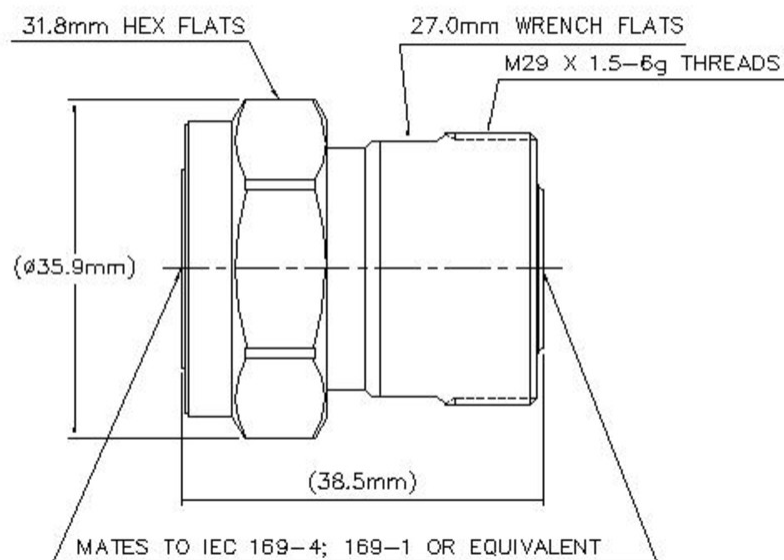
Body Style	Straight
Inner Contact Plating	Silver
Interface	7-16 DIN Male
Interface 2	7-16 DIN Female
Mounting Angle	Straight
Outer Contact Plating	Silver
Pressurizable	No

Dimensions

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

Outline Drawing

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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

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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	