TA-PDMDM

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

OBSOLETE
Replaced By

CA-DMDM	7-16 DIN Male to 7-16 DIN Male Adapter

Product Classification

Product Type	Adapter

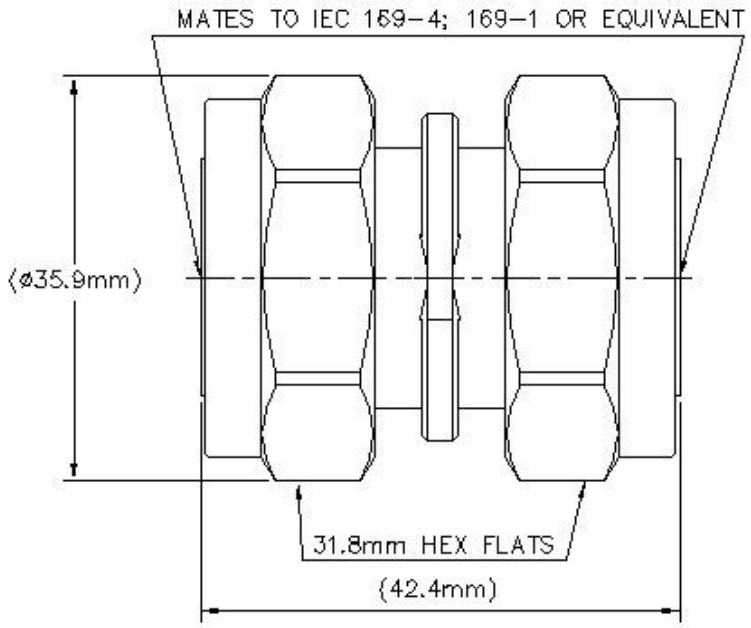
General Specifications

Interface	7-16 DIN Male
Interface 2	7-16 DIN Male
Body Style	Straight
Mounting Angle	Straight

Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 3000 MHz
Average Power at Frequency	1,300.0 W @ 900 MHz
3rd Order IMD, typical	-163 dBc @ 910 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
RF Operating Voltage, maximum (vrms)	1200.00 V
dc Test Voltage	4000 V
Outer Contact Resistance, maximum	1.50 mOhm
Inner Contact Resistance, maximum	0.40 mOhm
Insulation Resistance, minimum	10000 MOhm
Peak Power, maximum	28.80 kW

Outline Drawing



Mechanical Specifications

Coupling Nut Proof Torque	50.00 N-m | 36.88 ft lb
Coupling Nut Proof Torque Method	IEC 61169-4:9.3.6
Coupling Nut Retention Force	800.00 N | 179.85 lbf
Coupling Nut Retention Force Method	IEC 61169-4:9.3.11
Inner Contact Plating	Silver
Insertion Force	200.00 N | 44.96 lbf
Insertion Force Method	IEC 61169-4:15.2.4
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-4:9.5
Outer Contact Plating	Silver
Pressurizable	No

Dimensions

Diameter	31.75 mm | 1.25 in
Length	42.44 mm | 1.67 in
Weight	148.00 g | 0.33 lb
Width	31.75 mm | 1.25 in

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 Method	IEC 60068-2-27
Climatic Sequence Test Method	IEC 60068-1
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
Corrosion Test Method	IEC 60068-2-11

Standard Conditions

Attenuation, Ambient Temperature	20 °C | 68 °F
Average Power, Ambient Temperature	40 °C | 104 °F
Average Power, Inner Conductor Temperature	100 °C | 212 °F

Return Loss/VSWR

Frequency Band	**VSWR**	**Return Loss (dB)**
824–960 MHz	1.02	42.00
1710–1880 MHz	1.03	36.61
1850–1990 MHz	1.03	36.61
1910–2200 MHz	1.03	36.61
2200–2700 MHz	1.03	36.61