TA-DFHF

7-16 DIN Female to 4.3-10 Female Low-PIM Adapter

Product Classification

Product Type	Adapter

General Specifications

Body Style	Straight
Inner Contact Plating	Silver
Interface	7-16 DIN Female
Interface 2	4.3-10 Female
Mounting Angle	Straight
Outer Contact Plating	Trimetal

Dimensions

Length	45 mm	1.772 in
Diameter	28.8 mm	1.134 in

Outline Drawing

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M29x 1.5-6g THREAD
19.0mm WRENCH FLAT
M20x 1.0-6g THREAD
(⌀28.8mm)
(45.0mm)
MATES TO IEC 169-4; 169-1 OR EQUIVALENT
MATES TO 4.3-10 MALE OR EQUIVALENT
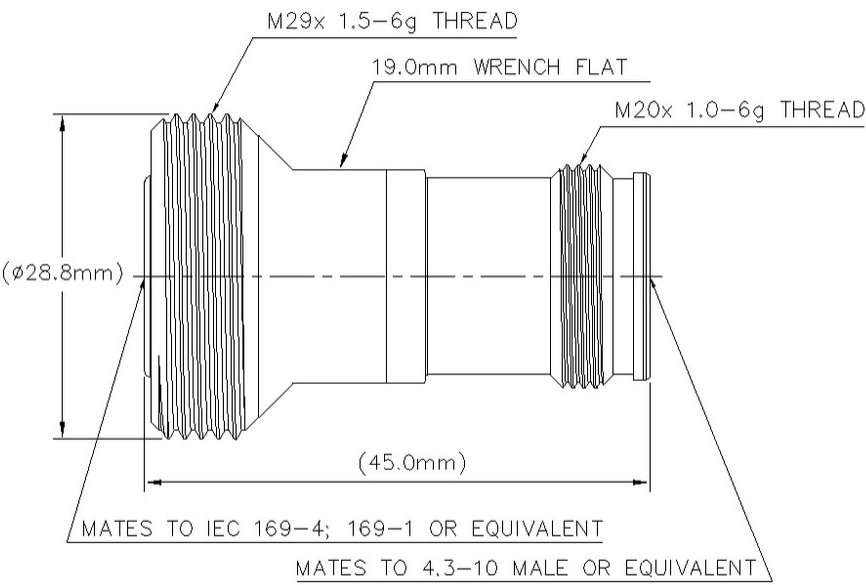
Electrical Specifications

3rd Order IMD at Frequency	-163 dBc @ 1800 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
Connector Impedance	50 ohm
dc Test Voltage	2500 V
Inner Contact Resistance, maximum	1 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	1 mOhm

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.032	36
3000–6000 MHz	1.106	26

Mechanical Specifications

Interface Durability	100 cycles

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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	84.41 g | 0.186 lb

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours

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