CA-DFDR

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

Product Classification

Product Type	Adapter

General Specifications

Body Style	Right angle
Inner Contact Plating	Silver
Interface	7-16 DIN Female
Interface 2	7-16 DIN Male
Outer Contact Plating	Trimetal
Pressurizable	No

Dimensions

Width	31.75 mm | 1.25 in
Length	53 mm | 2.087 in
Diameter	31.75 mm | 1.25 in

Outline Drawing

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Drawing labels:
- M29 x 1.5-6g THREADS
- (52.9 mm)
- MATES TO IEC 169-4, 169-1 OR EQUIVALENT
- (43.7 mm)
- 23.6mm HEX FLATS
- 31.8mm HEX FLATS
- (ø34.6 mm)
- MATES TO IEC 169-4, 169-1 OR EQUIVALENT
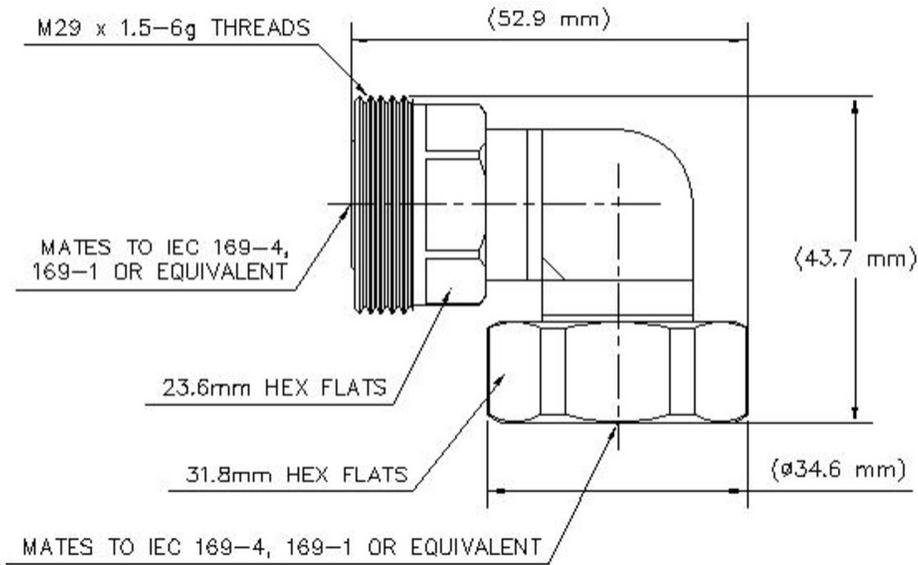
Electrical Specifications

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)
0–3000 MHz	1.083	27.99
3000–6000 MHz	1.173	21.98

Mechanical Specifications

Coupling Nut Proof Torque	50 N-m | 442.537 in lb
Coupling Nut Proof Torque Method	IEC 61169-4:17
Coupling Nut Retention Force	800 N | 179.847 lbf

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Coupling Nut Retention Force Method	IEC 61169-4:15.2.6
Insertion Force	200 N | 44.962 lbf
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-4:17
Mechanical Shock Test Method	IEC 60068-2-27

Environmental Specifications

Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °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	171 g | 0.377 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant/Exempted

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