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CommScope 78EZDF DIN Female Connector for 7/8" AVA5-50FX

SKU
ACC-CS-00379
MPN
78EZDF

Description

The CommScope 78EZDF DIN Female Connector is designed for use with 7/8" AVA5-50FX coaxial cables, offering reliable RF connections in various applications. This 7/16 DIN Female connector features a straight, free-hanging design, ideal for attaching to 7/8 corrugated cable types with a captivated mechanism. The connector, measuring 48.01 x 37.08 mm and weighing 136.65 g, is built with a robust body and silver-plated inner contacts, ensuring durability through over 50 mating cycles.

Operating effectively within a temperature range of -40°C to 85°C, it supports frequencies from 0 to 5000 GHz. The connector boasts a low Passive Intermodulation (PIM) rating of ≤ -116 dBc, with an input impedance of 50 Ω and high insulation resistance of ≥ 5000 mΩ. It is capable of handling peak power up to 40 kW with an RF operating voltage of ≤ 1415 Vrms.

Quality and compliance are assured through RoHS and ISO 9001 certifications, as well as testing against...

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RF Connector Interface

RF Interface	Body Shape	Mounting
7/16 DIN Female	Straight	Free Hanging

RF Specification

Start Frequency
0 GHz
Stop Frequency
5000 GHz
Peak Power
40 kW
PIM, 3rd Order
≤ -116 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 0.4 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance

≤ 1.5 mΩ
RF Operating Voltage
≤ 1415 Vrms
VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
50 MHz	≤ 1.02:1	≤ 40.09 dB	0.05 dB
1000 MHz	≤ 1.03:1	≤ 38.17 dB	
1900 MHz	≤ 1.04:1	≤ 33.94 dB	

Physical Specification

Cable Group
7/8 Corrugated
Dimensions
48.01 x 37.08 mm
Weight
136.65 g
Compliance/Certifications
RoHS
,
ISO 9001 Quality Management
Mechanical Compliance
IEC 60068-2-11: Salt Mist
,
IEC 60068-2-27: Mechanical Shock
Conductor Attachment
Cable, Captivated
Contact Plating
Silver
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Ingress Protection
IP68
Mating Cycles
> 50

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