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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 \leq -116 dBc, with an input impedance of 50 Ω and high insulation resistance of \geq 5000 m Ω . It is capable of handling peak power up to 40 kW with an RF operating voltage of \leq 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	Input Impedance:	50
Stop Frequency:	5000 GHz	Inner Contact Resistance:	≤ 0.4 mΩ
Peak Power:	40 kW	Insulation Resistance:	≥ 5000 mΩ
PIM, 3rd Order:	≤ -116 dBc	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	Conductor Attachment:	Cable, Captivated
Dimensions:	48.01 x 37.08 mm	Contact Plating:	Silver
Weight:	136.65 g	Min. Operating Temperature:	-40 °C
Compliance/Certifications:	RoHS	Max. Operating Temperature:	85 °C
ISO 9001 Quality Management	,	Ingress Protection:	IP68
Mechanical Compliance:	IEC 60068-2-11: Salt Mist	Mating Cycles:	> 50
IEC 60068-2-27: Mechanical Shock	, ,		

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