

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 $50\ \Omega$ and high insulation resistance of $\geq 5000\ \text{m}\Omega$. It is capable of handling peak power up to 40 kW with an RF operating voltage of $\leq 1415\ \text{Vrms}$.

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

[Read More](#)



COMMSCOPE®

CommScope

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of ...

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
		Mating Cycles:	> 50
Mechanical Compliance:	IEC 60068-2-11: Salt Mist		
IEC 60068-2-27: Mechanical Shock			

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

