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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  $\Omega$  and high insulation resistance of  $\geq 5000$  m $\Omega$ . 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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## [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

Stop Frequency

5000 GHz

Peak Power

40 kW

PIM, 3rd Order

$\leq -116$  dBc

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 0.4$  m $\Omega$

Insulation Resistance

$\geq 5000 \text{ m}\Omega$

Outer Contact Resistance

$\leq 1.5 \text{ m}\Omega$

RF Operating Voltage

$\leq 1415 \text{ Vrms}$

VSWR Measurement

**Frequency VSWR Return Loss Insertion Loss**

50 MHz  $\leq 1.02:1 \leq 40.09 \text{ dB}$  0.05 dB

1000 MHz  $\leq 1.03:1 \leq 38.17 \text{ dB}$

1900 MHz  $\leq 1.04:1 \leq 33.94 \text{ dB}$

## 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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