

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 50Ω 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...

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[RF Connector Interface](#)



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

CommScope RF Specification

CommScope

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| | | | |
|------------------|------------|---------------------------|-------------|
| 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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