

CommScope 78EZHM 4.3-10 Male EZfit Connector for 7/8" AVA5-50 and AVA5-50FX Cable

SKU: ACC-CS-00109

MPN: 78EZHM

Description

The CommScope 78EZHM 4.3-10 Male EZfit Connector is designed for reliable performance with 7/8" AVA5-50 and AVA5-50FX coaxial cables. Featuring a straight, free-hanging design, this connector ensures easy installation with its cable-captivated attachment mechanism. It supports a wide operating frequency range from 0 to 5000 GHz, making it suitable for various RF applications. With a weight of 144.20 grams and dimensions of 51.99 x 37.01 mm, it is compact and robust.

Constructed with a durable body and silver-plated inner contacts, the connector endures harsh environments, complying with IEC standards for salt mist, temperature change, mechanical shock, and vibration. It withstands multiple mating cycles and operates efficiently within a temperature range of -45 °C to 85 °C. The connector maintains a 50 Ω impedance and offers excellent electrical performance, with a VSWR of $\leq 1.11:1$ and an insertion loss of 0.05 dB at 800 MHz, and a VSWR...

[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 |
| 4.3-10 Male | Straight | Free Hanging |

RF Specification

| | | | |
|------------------|------------|------------------|----|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 5000 GHz | | |
| PIM, 3rd Order: | ≤ -115 dBc | | |

VSWR Measurement

| Frequency | VSWR | Return Loss | Insertion Loss |
|-----------|----------|-------------|----------------|
| 800 MHz | ≤ 1.11:1 | ≤ 25.96 dB | 0.05 dB |
| 4100 MHz | ≤ 1.23:1 | ≤ 20 dB | |

Physical Specification

| | | | |
|---------------------------------------|-----------------------------|-----------------------------|-------------------|
| Cable Group: | 7/8 Corrugated | Conductor Attachment: | Cable, Captivated |
| Dimensions: | 51.99 x 37.01 | Contact Plating: | Silver |
| Weight: | 144.2 g | Min. Operating Temperature: | -45 °C |
| Compliance/Certifications: | ISO 9001 Quality Management | Max. Operating Temperature: | 85 °C |
| Mechanical Compliance: | IEC 60068-2-11: Salt Mist | Ingress Protection: | IP68 |
| IEC 60068-2-14: Change of Temperature | | | |
| IEC 60068-2-27: Mechanical Shock | | | |
| IEC 60068-2-6: Vibration | | | |

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.

