Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

CommScope 78EZNF Type N Female EZfit(r) for 7/8 in FXL-780, AVA5-50, and AVA5-50FX cable

SKU
ACC-CS-00009
MPN
78EZNF

Description

The CommScope 78EZNF Type N Female EZfit® connector is engineered for optimal performance with 7/8 in FXL-780, AVA5-50, and AVA5-50FX coaxial cables. This straight, free-hanging RF connector features a captivated attachment mechanism, ensuring secure and reliable connections. Constructed from brass with silver plating on the inner contacts and a PTFE insulator, it offers durability and excellent electrical performance.

The connector supports over 500 mating cycles and operates effectively in temperatures ranging from -40 °C to 85 °C, with a frequency range of 0 to 5000 GHz. It boasts a 3rd Order PIM rating of ≤ -116 dBc and has an input impedance of 50 Ω. The VSWR is ≤ 1.03:1, with a Return Loss of ≤ 40.00 dB and an Insertion Loss of 0.05 dB at 1000 MHz.

This connector is ISO 9001 certified and RoHS compliant, meeting IEC standards for salt mist, temperature change, and vibration resistance. Designed for peak power handling of 10000 kW...

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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
N Female	Straight	Free Hanging

RF Specification

Start Frequency
0 GHz
Stop Frequency
5000 GHz
Peak Power
10000 kW
PIM, 3rd Order
≤ -116 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 2 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance

≤ 0.3 mΩ
RF Operating Voltage
≤ 707 Vrms
VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
1000 MHz	≤ 1.03:1	≤ 40 dB	0.05 dB

Physical Specification

Cable Group
7/8 Corrugated
Body Material
Brass
Insulator Material
PTFE / Teflon
Dimensions
52.07 x 37.08
Weight
135.54 g
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS
Mechanical Compliance
IEC 60068-2-11: Salt Mist
,
IEC 60068-2-14: Change of Temperature
,
IEC 60068-2-6: Vibration
Conductor Attachment
Cable, Captivated
Contact Material
Brass
Contact Plating
Silver
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Ingress Protection

IP68
Mating Cycles
> 500

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