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CommScope F4HM-D 4.3-10 Male for 1/2 in FSJ4-50B cable

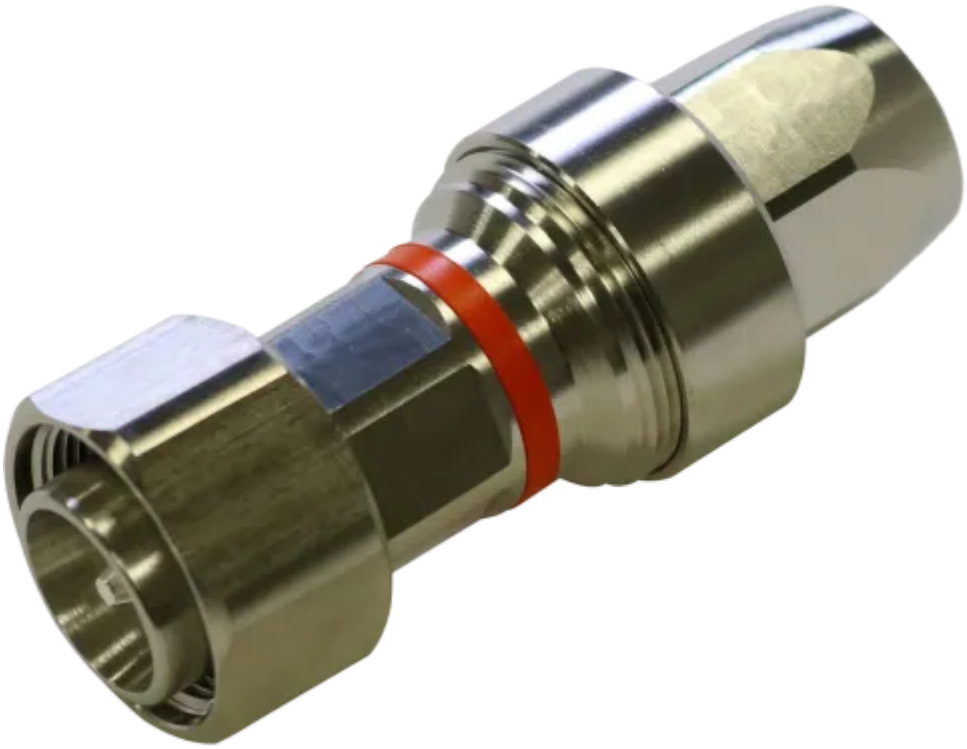
SKU
ACC-CS-00119
MPN
F4HM-D

Description

The CommScope F4HM-D 4.3-10 Male RF Connector, part number F4HM-D (SKU: ACC-CS-00119), is designed for 1/2 inch FSJ4-50B corrugated cables. This coaxial connector features a straight, free-hanging design and uses a captivated cable attachment mechanism. With dimensions of 62.48 x 24.89 mm and a weight of 100 g, its robust construction includes plated body and silver-plated inner contacts to ensure durability and high performance.

Engineered to withstand over 100 mating cycles, it operates within a temperature range of -55°C to 85°C and supports frequencies from 0 GHz to 7500 GHz. It boasts a third-order PIM rating of ≤ -116 dBc, with an inner contact resistance of ≤ 1 mΩ and an outer contact resistance of ≤ 2 mΩ. The connector maintains a 50 Ω input impedance and an insulation resistance of ≥ 5000 mΩ. Capable of handling a peak power of 23 kW and an RF operating voltage of ≤ 884 Vrms, it meets ISO 9001 and RoHS standards and adheres to...

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RF Connector Interface

RF Interface	Body Shape	Mounting
4.3-10 Male	Straight	Free Hanging

RF Specification

Start Frequency
0 GHz
Stop Frequency
7500 GHz
Peak Power
22.5 kW
PIM, 3rd Order
≤ -116 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 0.8 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance

≤ 1.5 mΩ
RF Operating Voltage
≤ 884 Vrms
VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
1000 MHz	≤ 1.02:1	≤ 40.09 dB	0.05 dB

Physical Specification

Cable Group
1/2 Corrugated
Dimensions
62.48 x 24.89
Weight
100 g
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS
Mechanical Compliance
IEC 60068-2-11: Salt Mist
,
IEC 60068-2-27: Mechanical Shock
,
IEC 60068-2-6: Vibration
,
IEC 60068-2-14: Change of Temperature
Conductor Attachment
Cable, Captivated
Contact Plating
Silver
Min. Operating Temperature
-55 °C
Max. Operating Temperature
85 °C
Ingress Protection
IP68
Mating Cycles
> 100

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