

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	Input Impedance:	50
Stop Frequency:	7500 GHz	Inner Contact Resistance:	$\leq 0.8 \text{ m}\Omega$
Peak Power:	22.5 kW	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -116 \text{ dBc}$	Outer Contact Resistance:	$\leq 1.5 \text{ m}\Omega$
RF Operating Voltage:			$\leq 884 \text{ Vrms}$

VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
1000 MHz	$\leq 1.02:1$	$\leq 40.09 \text{ dB}$	0.05 dB

Physical Specification

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

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