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CommScope ASHF-D D-Class 4.3-10 Female for 7/8 in AVA5-50 and AVA5-50FX cable

SKU
ACC-CS-00059
MPN
A5HF-D

Description

The CommScope ASHF-D D-Class 4.3-10 Female RF Connector (SKU: ACC-CS-00059, Part Number: A5HF-D) is designed for use with 7/8" AVA5-50 and AVA5-50FX coaxial cables. Featuring a straight, free-hanging design, it employs a captivated attachment mechanism for secure cable connections. Constructed with a brass body plated in white bronze and copper alloy inner contacts with silver plating, this robust connector ensures durability and optimal conductivity.

The ASHF-D supports over 50 mating cycles and operates effectively within a temperature range of -40°C to 85°C. It accommodates frequencies from 0 GHz to 5000 GHz, with a 3rd Order PIM rating of ≤ -166 dBc, ensuring minimal signal interference. Electrical specifications include an inner contact resistance of ≤ 0 mΩ and an outer contact resistance of ≤ 2 mΩ, with an impedance of 50 Ω and insulation resistance of ≥ 5000 mΩ. It can handle peak power up to 40 kW and an RF operating voltage of ≤...

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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
4.3-10 Female	Straight	Free Hanging

RF Specification

Start Frequency
0 GHz
Stop Frequency
5000 GHz
Peak Power
40 kW
PIM, 3rd Order
≤ -166 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 0.4 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance

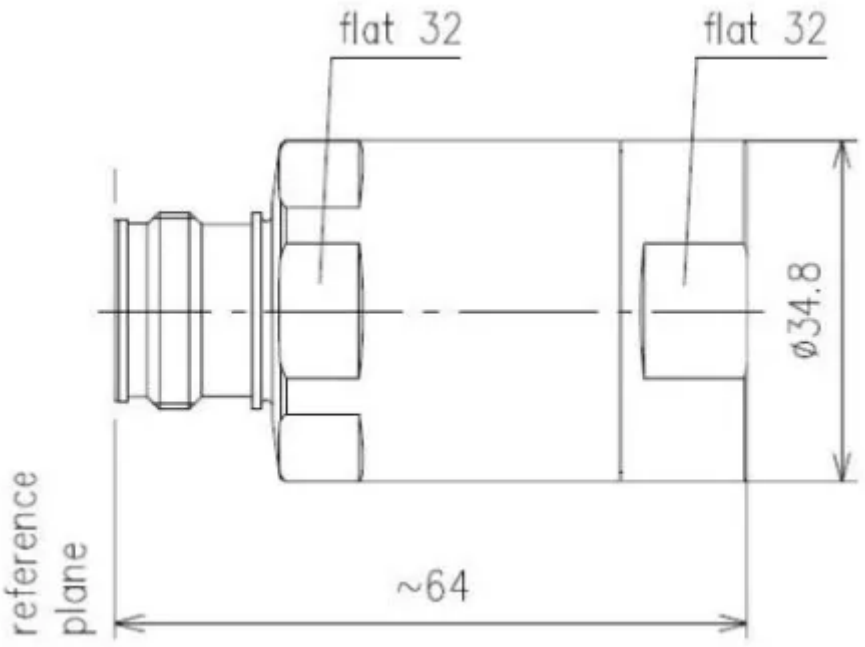
≤ 1.5 mΩ
RF Operating Voltage
≤ 1415 Vrms
VSWR Measurement

Frequency	VSWR	Return Loss
1000 MHz	≤ 1.02:1	≤ 40.09 dB
2700 MHz	≤ 1.04:1	≤ 33.94 dB
3800 MHz	≤ 1.07:1	≤ 30.04 dB

Physical Specification

Cable Group
7/8 Corrugated
Body Material
Brass
Body Plating
White Bronze
Insulator Material
PTFE / Teflon
Dimensions
64.01 x 34.8
Weight
160.5 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
Conductor Attachment
Cable, Captivated
Contact Material
Copper Alloy
Contact Plating
Silver
Min. Operating Temperature

-40 °C
Max. Operating Temperature
85 °C
Ingress Protection
IP68
Mating Cycles
> 50
Drawing



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