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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 m Ω and an outer contact resistance of ≤ 2 m Ω , with an impedance of 50 Ω and insulation resistance of ≥ 5000 m Ω . It can handle peak power up to 40 kW and an RF operating voltage of $\leq \dots$

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[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 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 m Ω

Insulation Resistance

$\geq 5000 \text{ m}\Omega$

Outer Contact Resistance

$\leq 1.5 \text{ m}\Omega$

RF Operating Voltage

$\leq 1415 \text{ Vrms}$

VSWR Measurement

Frequency VSWR Return Loss

1000 MHz $\leq 1.02:1 \leq 40.09 \text{ dB}$

2700 MHz $\leq 1.04:1 \leq 33.94 \text{ dB}$

3800 MHz $\leq 1.07:1 \leq 30.04 \text{ dB}$

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](#)

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[RoHS](#)

Mechanical Compliance

[IEC 60068-2-11: Salt Mist](#)

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[IEC 60068-2-27: Mechanical Shock](#)

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[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

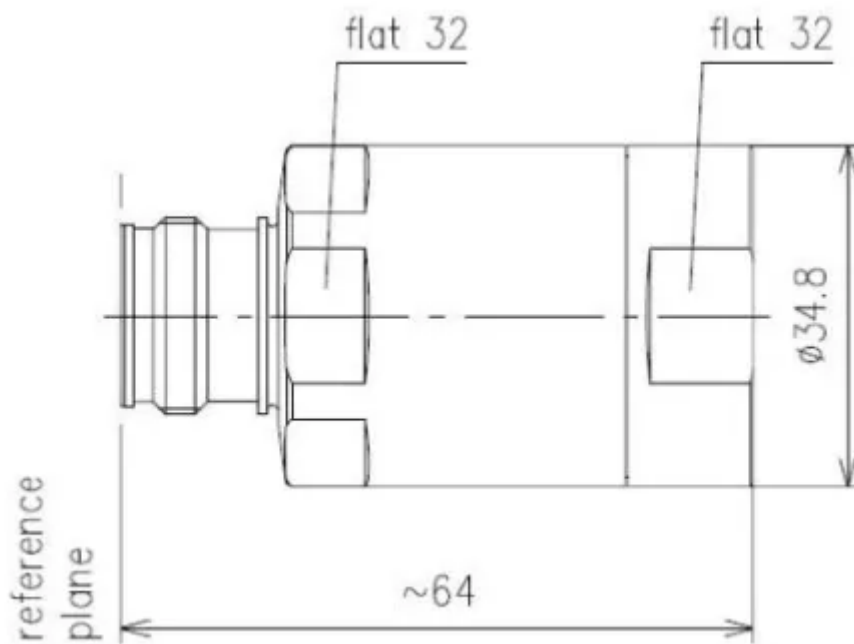
Ingress Protection

IP68

Mating Cycles

> 50

Drawing



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