

# 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  $\leq -166$  dBc, ensuring minimal signal interference. Electrical specifications include an inner contact resistance of  $\leq 0$  m $\Omega$  and an outer contact resistance of  $\leq 2$  m $\Omega$ , with an impedance of 50  $\Omega$  and insulation resistance of  $\geq 5000$  m $\Omega$ . It can handle peak power up to 40 kW and an RF operating voltage of  $\leq \dots$

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# RF Connector Interface

<b>RF Interface</b>	<b>Body Shape</b>	<b>Mounting</b>
4.3-10 Female	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	5000 GHz	Inner Contact Resistance:	≤ 0.4 mΩ
Peak Power:	40 kW	Insulation Resistance:	≥ 5000 mΩ
PIM, 3rd Order:	≤ -166 dBc	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	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Copper Alloy
Body Plating:	White Bronze	Contact Plating:	Silver
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-40 °C
Dimensions:	64.01 x 34.8	Max. Operating Temperature:	85 °C
Weight:	160.5 g	Ingress Protection:	IP68
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 50

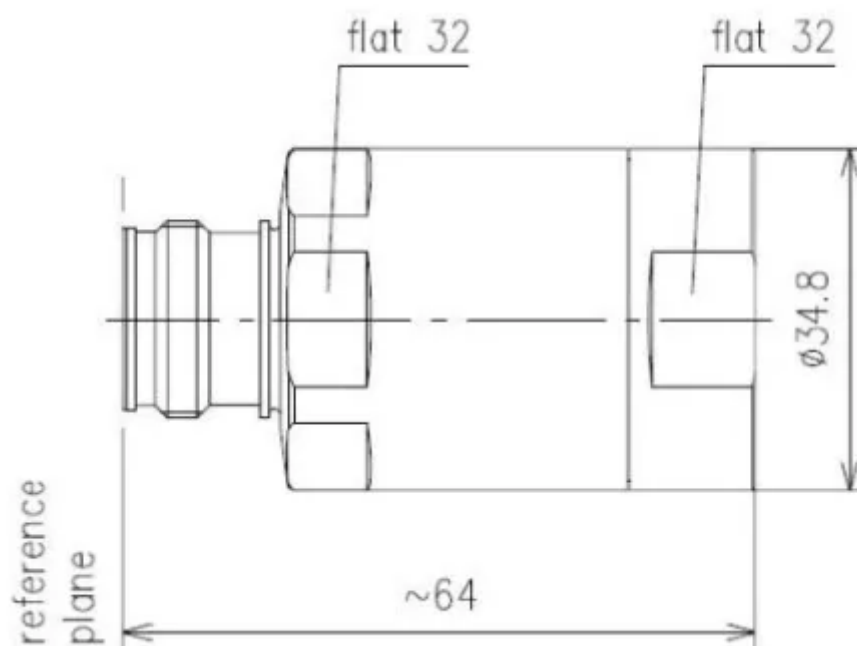
RoHS

Mechanical Compliance: IEC 60068-2-11: Salt Mist

IEC 60068-2-27: Mechanical Shock

IEC 60068-2-6: Vibration

## Drawing



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