

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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RF Connector Interface

RF Interface

4.3-10 Female

Body Shape

Straight

Mounting

Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	5000 GHz	Inner Contact Resistance:	$\leq 0.4 \text{ m}\Omega$
Peak Power:	40 kW	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -166 \text{ dBc}$	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	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

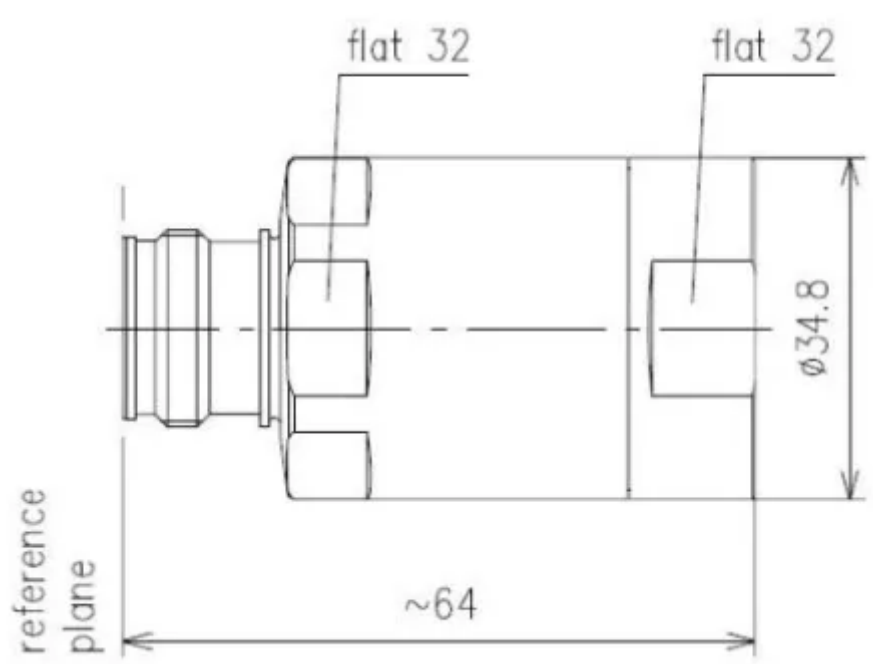
RoHS

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

IEC 60068-2-27: Mechanical Shock

IEC 60068-2-6: Vibration

Drawing



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