

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 \leq ...

[Read More](#)



CommScope

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	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:			$\leq 1415 \text{ Vrms}$

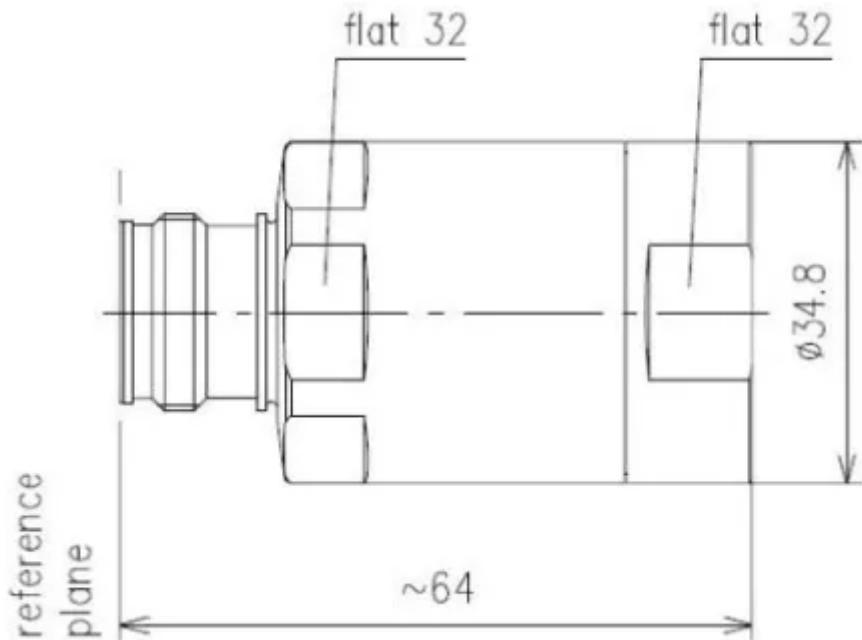
VSWR Measurement

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



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

