## AFB5-8

## 7/16 DIN Male for 1/2" Coaxial Cable

Electrical Characteristics			
Frequency range	DC-5GHz		
Return loss	824-894 MHz	≥ 35 c	dB
	890-960 MHz	≥ 35 c	dB
	1710-1880 MHz	≥ 32 0	dB
	1920-2170 MHz	≥ 32 0	dB
Insertion loss	≤ 0.05 dB		
PIM (2x43dBm)	≤ -115 dBm		
Insulation resistance	> 5000 MΩ		
Work voltage	2500 V		
Conductor resistance - Outer conductor	< 1.5 mΩ		
Conductor resistance - Inner conductor	< 0.8 mΩ		
Impedance	50±2Ω		
Environmental Characteristics			
Temperature range	-40° to +85° C (-40° to +185° F)		
Weather standard	IEC 60068 40 / 085 / 21		
Waterproofing standard	IP68		
Thermal shock	IEC 60068-2-14-Na		
Vibration	IEC 60068-2-6-Fc		
Shock	IEC 60068-2-27		
RoHS compliant	Yes		
Mechanical Characteristics			
Nut torque	25N.m		
Whorl pull (nut)	1000N		
Tensile force (cable-connect)	500N		
Torsion (cable-connect)	5N.m		
Assembly	Inner and outer conductor installed		
Material and Plating	Material		Plating
Inner conductor	Spring copp	er	Ag5µm
Outer conductor	Brass		Copper-tin-zinc2µm
Nut	Brass		Ni5µm
Insulator	TPX		



Reference Standard: IEC60169-4





Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.