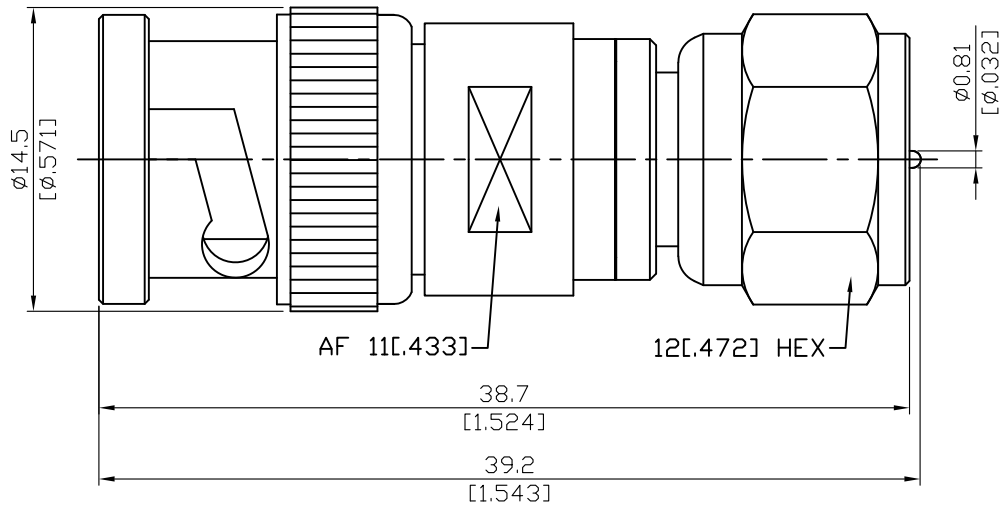


AD-B3F3-50/75

50ohm BNC Plug To 75ohm F Plug
(Impedance Mismatch)



Note: Impedance mismatch causes poor RF performance

Parts	Material	Plating (Micro-inch)
Gasket	Silicone	
Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

This part number complies with RoHS.

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<div data-bbox="129 344 531 394" style="border: 1px solid black; padding: 2px;">Interface</div> <p data-bbox="129 398 264 434">Standard</p>	<div data-bbox="916 353 986 389" style="border-bottom: 1px solid black;">BNC</div> <p data-bbox="842 398 1059 434">MIL-STD-348B</p>	<div data-bbox="1283 353 1305 389" style="border-bottom: 1px solid black;">F</div> <p data-bbox="1203 398 1401 434">IEC 61169-24</p>																		
<div data-bbox="129 562 531 611" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <table data-bbox="129 616 1482 840"> <tr> <td data-bbox="129 616 794 651">Impedance</td> <td colspan="2" data-bbox="801 616 1482 651">BNC Side 50Ω ; F Side 75Ω</td> </tr> <tr> <td data-bbox="129 656 794 692">Frequency Range</td> <td colspan="2" data-bbox="801 656 1482 692">DC To 2GHz</td> </tr> <tr> <td data-bbox="129 696 794 732">Insulation Resistance</td> <td colspan="2" data-bbox="801 696 1482 732">≥ 5000MΩ</td> </tr> <tr> <td data-bbox="129 736 794 772">Dielectric Withstanding Voltage (at sea level)</td> <td colspan="2" data-bbox="801 736 1482 772">1500 V rms</td> </tr> <tr> <td data-bbox="129 777 794 813">Working Voltage (at sea level)</td> <td colspan="2" data-bbox="801 777 1482 813">500 V rms</td> </tr> </table>			Impedance	BNC Side 50Ω ; F Side 75Ω		Frequency Range	DC To 2GHz		Insulation Resistance	≥ 5000MΩ		Dielectric Withstanding Voltage (at sea level)	1500 V rms		Working Voltage (at sea level)	500 V rms				
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<div data-bbox="129 1010 531 1059" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table data-bbox="129 1064 1482 1357"> <thead> <tr> <th data-bbox="129 1064 794 1099"></th> <th data-bbox="916 1070 986 1106" style="border-bottom: 1px solid black;">BNC</th> <th data-bbox="1283 1070 1305 1106" style="border-bottom: 1px solid black;">F</th> </tr> </thead> <tbody> <tr> <td data-bbox="129 1111 794 1146">Recommended Coupling Nut Torque</td> <td data-bbox="842 1111 1059 1146">0.6 to 2.5 in-lbs</td> <td data-bbox="1203 1111 1401 1146">15 to 20 in-lbs</td> </tr> <tr> <td data-bbox="129 1151 794 1187">Coupling Proof Torque</td> <td data-bbox="916 1151 986 1187">NA</td> <td data-bbox="1235 1151 1369 1187">60 in-lbs</td> </tr> <tr> <td data-bbox="129 1191 794 1227">Coupling Nut Retention Force</td> <td data-bbox="874 1191 1034 1227">≥ 101.2 lbs</td> <td data-bbox="1267 1191 1321 1227">NA</td> </tr> <tr> <td data-bbox="129 1232 794 1267">Contact Captivation-axial</td> <td data-bbox="890 1232 1018 1267">≥ 6.1 lbs</td> <td data-bbox="1267 1232 1321 1267">NA</td> </tr> <tr> <td data-bbox="129 1272 794 1308">Durability (mating)</td> <td data-bbox="906 1272 1002 1308">≥ 500</td> <td data-bbox="1251 1272 1337 1308">≥ 500</td> </tr> </tbody> </table>				BNC	F	Recommended Coupling Nut Torque	0.6 to 2.5 in-lbs	15 to 20 in-lbs	Coupling Proof Torque	NA	60 in-lbs	Coupling Nut Retention Force	≥ 101.2 lbs	NA	Contact Captivation-axial	≥ 6.1 lbs	NA	Durability (mating)	≥ 500	≥ 500
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