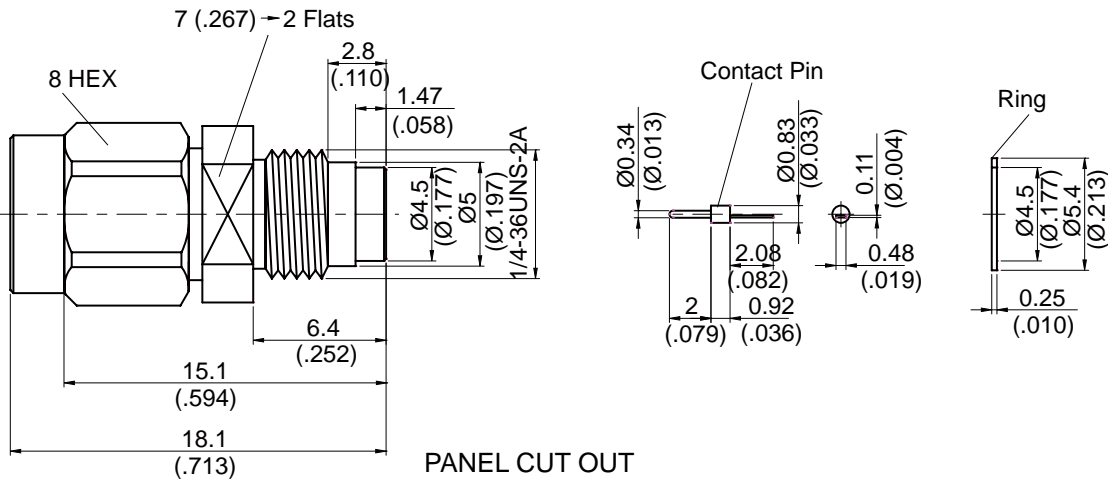


SMA3F00S-0134/HS

**SMA Thread In Mount Field Replaceable Plug  
With Field Replaceable Contact; Hermetic; 50Ω  
18GHz VSWR 1.15**



**NOTE:**

1.  $1 \times 10^{-6}$  atm cc/sec Hermeticity
2. Assemble metal ring onto connector and screw both parts into the housing.  
Tighten the connector up to 280 Ncm(+/- 10 Ncm)

Parts	Material	Plating (Micro-inch)
Gasket	Silicon	
Ring	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
Retainer Ring	Beryllium Copper	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
Contact Pin	Stainless Steel	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated

This part number complies with RoHS.

**Notice: JYEBAO reserves the right to make modifications deemed appropriate.**

SMA	SMA3F00S-0134/HS
<div data-bbox="169 383 568 427" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B</p> <p>Mechanically compatible with 2.92 &amp; 3.5</p>	
<div data-bbox="169 551 568 595" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <p>Impedance 50Ω</p> <p>Frequency range DC to 18GHz</p> <p>VSWR <math>\leq 1.15</math> (DC to 18GHz)</p> <p>Insertion loss <math>\leq 0.04 \times \sqrt{f(\text{GHz})}</math> dB</p> <p>Insulation resistance <math>\geq 5000\text{M}\Omega</math></p> <p>Contact resistance inner conductor <math>\leq 3\text{m}\Omega</math></p> <p>Contact resistance outer conductor <math>\leq 2\text{m}\Omega</math></p> <p>Dielectric withstanding voltage (at sea level) 1500 V rms</p> <p>Working voltage (at sea level) 500 V rms</p>	
<div data-bbox="169 1093 568 1137" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <p>Recommended coupling nut torque 4 inch lbs</p> <p>Coupling proof torque 5.3 inch lbs</p> <p>Coupling nut retention force <math>\geq 60.7</math> lbs</p> <p>Contact Captivation-axial <math>\geq 6.1</math> lbs</p> <p>Durability (mating) <math>\geq 100</math></p>	
<div data-bbox="169 1400 568 1444" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <p>Temperature range -65°C to +165°C</p> <p>Thermal shock MIL-STD-202, Method 107, Condition B</p> <p>Moisture resistance MIL-STD-202, Method 106</p> <p>Corrosion MIL-STD-202, Method 101, Condition B</p> <p>RoHS Compliant</p>	
<div data-bbox="169 1749 568 1794" style="border: 1px solid black; padding: 2px;">Tooling</div>	

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# SMA3F00S-0134/HS

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