

SMA362K-0000	<b>SMA Plug <math>\phi</math>16mm 2 Hole Flange With Half Moon Contact (<math>\Phi</math>1.27;L=2.5); 18GHz VSWR 1.25</b>	<b>50<math>\Omega</math></b>																					
<p>The drawing shows two views of the SMA plug. The left view is a side profile showing an 8 HEX nut with a height of 8 mm (.315 inches). The main body has a length of 10.9 mm (.429 inches) and a contact pin length of 1.6 mm (.063 inches). The contact pin diameter is 1.27 mm (<math>\phi</math>.050 inches). The right view is a front view showing a diameter of 16 mm (<math>\phi</math>.630 inches) and a distance of 12.22 mm (.481 inches) between the two mounting holes. The distance from the center to the bottom hole is 5.7 mm (.224 inches), and the diameter of the mounting holes is 2.6 mm (<math>\phi</math>.102 inches).</p>																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Parts</th> <th style="width: 20%;">Material</th> <th style="width: 65%;">Plating (Micro-inch)</th> </tr> </thead> <tbody> <tr> <td>Renber Ring</td> <td>Beryllium Copper</td> <td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td> </tr> <tr> <td>Gasket</td> <td>Silicon</td> <td></td> </tr> <tr> <td>Contact Pin</td> <td>Brass</td> <td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td> </tr> <tr> <td>Insulator</td> <td>Teflon</td> <td></td> </tr> <tr> <td>Body</td> <td>Brass</td> <td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td> </tr> <tr> <td>Coupling Nut</td> <td>Brass</td> <td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td> </tr> </tbody> </table>			Parts	Material	Plating (Micro-inch)	Renber Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50	Gasket	Silicon		Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Insulator	Teflon		Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Coupling Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Parts	Material	Plating (Micro-inch)																					
Renber Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50																					
Gasket	Silicon																						
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20																					
Insulator	Teflon																						
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20																					
Coupling Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20																					
Weight: 3.3 g																							

This part number complies with RoHS.  
 Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA362K-0000
<div data-bbox="169 383 571 432" 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="169 551 571 600" 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 1.25</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 571 1142" 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 1402 571 1451" 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 1753 571 1803" style="border: 1px solid black; padding: 2px;">Tooling</div>	

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

# SMA362K-0000

S11

