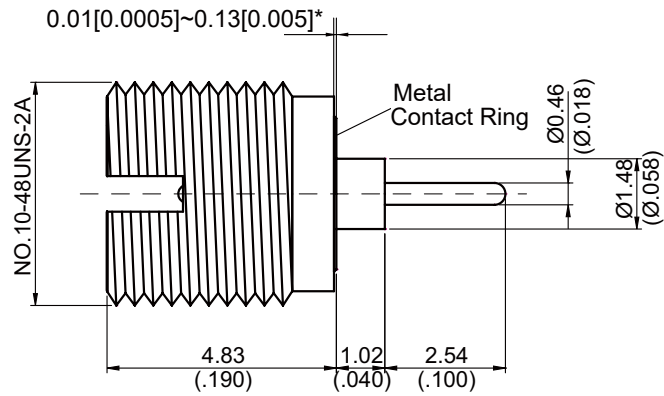
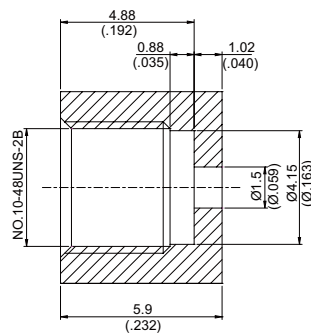


SMP3500S-FD46

SMP Plug Full Detent Screw In Shroud With Round Contact ( $\Phi 0.46$ ; L=2.54); PTFE L=1.02; 27GHz VSWR 1.25 **50 $\Omega$**



PANEL CUT OUT



\* 360° Raised Metal Contact Ring

Parts	Material	Plating (Micro-inch)
Metal Contact Ring	Stainless Steel	Passivated
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Stainless Steel	Passivated

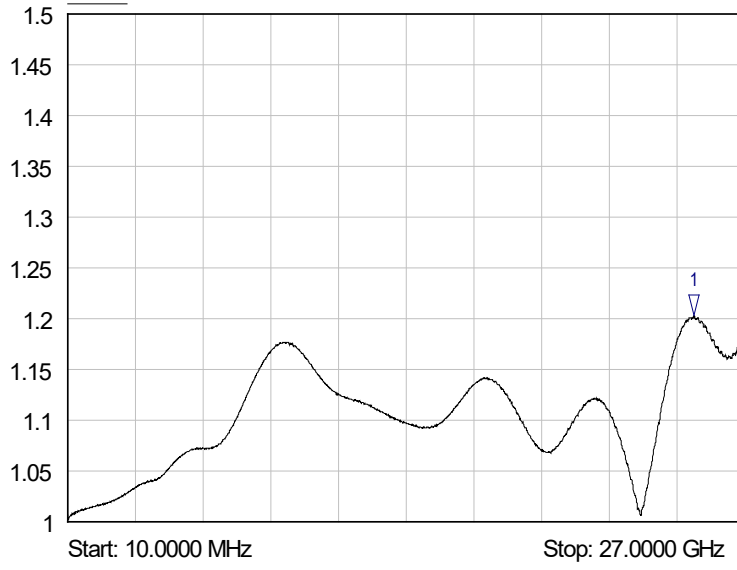
This part number complies with RoHS.

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

SMP	SMP3500S-FD46																																	
<div data-bbox="118 331 517 376" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B</p>																																		
<div data-bbox="118 495 517 539" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <p>Impedance 50Ω</p> <p>Frequency range DC to 27GHz</p> <p>VSWR <math>\leq 1.25</math> (DC to 27GHz)</p> <p>Insertion loss <math>\leq .06 \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 6\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) 500</p> <p>Working Voltage (at sea level) 335</p> <p>RF-Leakage <math>\geq 80\text{dB}</math> (3GHz); <math>\geq 65\text{dB}</math> (3~26.5GHz)</p>																																		
<div data-bbox="118 1084 517 1151" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table border="1" data-bbox="804 1072 1386 1447"> <thead> <tr> <th></th> <th>Full Detent</th> <th>Limited Detent</th> <th>Smooth bore &amp; catchers mit</th> <th></th> </tr> </thead> <tbody> <tr> <td>Engagement force</td> <td><math>\leq 15</math></td> <td><math>\leq 10</math></td> <td><math>\leq 2</math></td> <td>lbs</td> </tr> <tr> <td>Disengagement force</td> <td><math>\geq 5</math></td> <td><math>\geq 2</math></td> <td><math>\geq 0.5</math></td> <td>lbs</td> </tr> <tr> <td>Durability (mating)</td> <td><math>\geq 100</math></td> <td><math>\geq 500</math></td> <td><math>\geq 1000</math></td> <td></td> </tr> <tr> <td>Axial misalignment</td> <td colspan="4" style="text-align: center;"><math>+ 0.00 / -0.25</math> (+.000 / -.010)</td> </tr> <tr> <td>Radial misalignment</td> <td colspan="4" style="text-align: center;"><math>\pm 0.25</math> (0.010)</td> </tr> </tbody> </table>						Full Detent	Limited Detent	Smooth bore & catchers mit		Engagement force	$\leq 15$	$\leq 10$	$\leq 2$	lbs	Disengagement force	$\geq 5$	$\geq 2$	$\geq 0.5$	lbs	Durability (mating)	$\geq 100$	$\geq 500$	$\geq 1000$		Axial misalignment	$+ 0.00 / -0.25$ (+.000 / -.010)				Radial misalignment	$\pm 0.25$ (0.010)			
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<div data-bbox="118 1469 517 1514" 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="118 1823 517 1868" style="border: 1px solid black; padding: 2px;">Tooling</div>																																		

# SMP3500S-FD46

SoftPlot Measurement Presentation  
VSWR S11



1 S11  
▽ 24.9700 GHz  
1.20 VSWR