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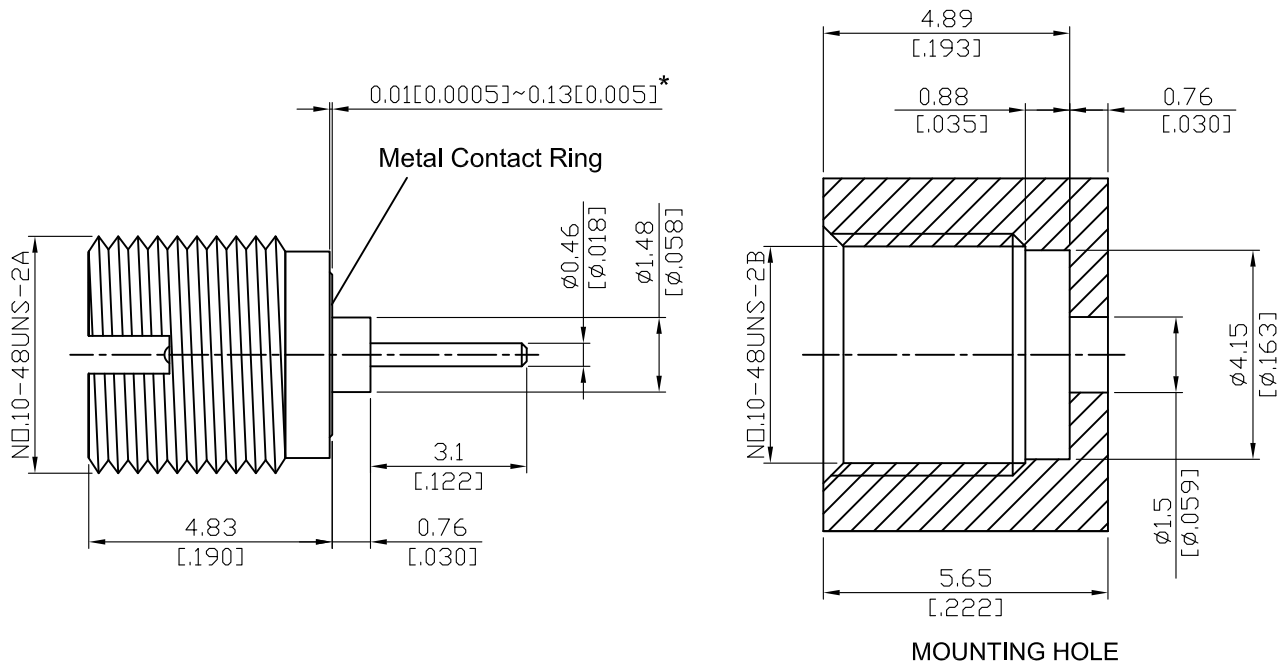
SMP3500S-FD46A	SMP Plug Full Detent Screw In Shroud With Round Contact (Φ0.46;L=3.1); PTFE L=0.76; 18GHz VSWR 1.25	50Ω



*360° Raised Metal Contact Ring

Parts	Material	Plating (Micro-inch)
Metal Contact Ring	Stainless Steel	Passivated
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus 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.

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SMP	SMP3500S-FD46A

Interface

MIL-STD-348B

Electrical Data

Impedance	50Ω
Frequency range	DC to 18GHz
VSWR	≦1.25 (DC to 18GHz)
Insertion loss	≦.06 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≧5000 MΩ
Contact resistance inner conductor	≦6mΩ
Contact resistance outer conductor	≦2mΩ
Dielectric withstanding voltage (at sea level)	500
Working Voltage (at sea level)	335
RF-Leakage	≧80dB (3GHz); ≧65dB (3~26.5GHz)

Mechanical Data

	Full Detent	Limited Detent	Smooth bore & catchers mit	
Engagement force	≦15	≦10	≦2	lbs
Disengagement force	≧5	≧2	≧0.5	lbs
Durability (mating)	≧100	≧500	≧1000	
Axial misalignment	+ 0.00 / -0.25 (+.000 / -.010)			
Radial misalignment	±0.25 (0.010)			

Environmental Data

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Moisture resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant

Tooling