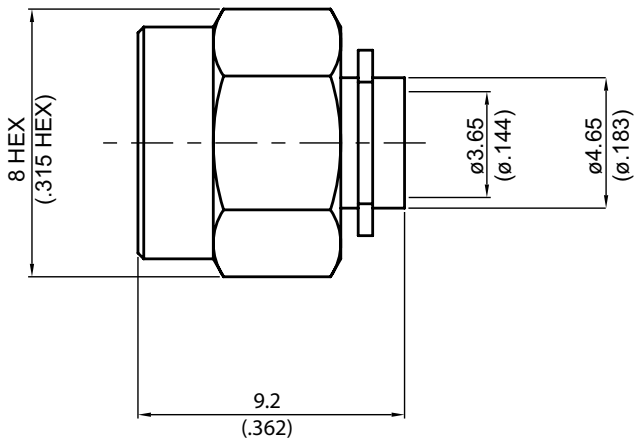


SMA33NV-0141	SMA Plug Solder Without Pin For RG402 18GHz VSWR 1.2		50Ω												
															
<table><tr><th>Parts</th><th>Material</th><th>Plating (Micro-inch)</th></tr><tr><td>Renber Ring</td><td>SK7</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Body</td><td>Brass</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Coupling Nut</td><td>Stainless</td><td>Passivated</td></tr></table>				Parts	Material	Plating (Micro-inch)	Renber Ring	SK7	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Coupling Nut	Stainless	Passivated
Parts	Material	Plating (Micro-inch)													
Renber Ring	SK7	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20													
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20													
Coupling Nut	Stainless	Passivated													
Weight: 1.64 g Suitable Cables: Semi-rigid.141															

This part number complies with RoHS.

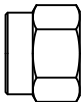
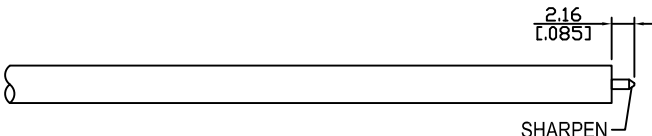
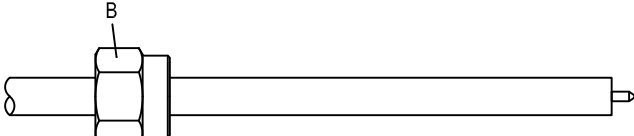
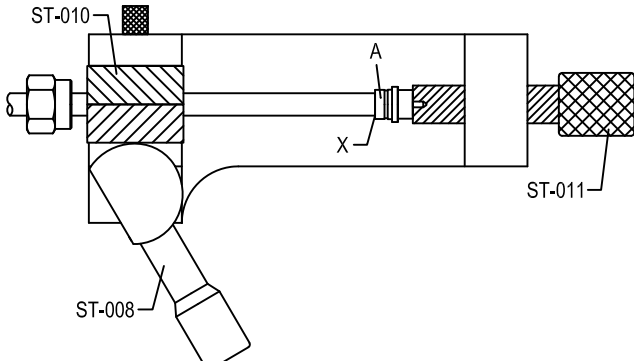
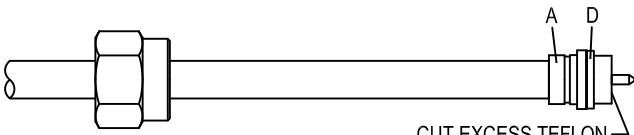
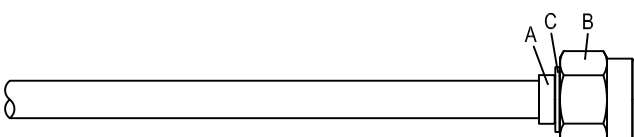
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA33NV-0141
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 18GHz VSWR ≤ 1.2 (DC to 18GHz) Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 3\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1500 V rms Working voltage (at sea level) 500 V rms	
Mechanical Data Recommended coupling nut torque 7 to 9.5 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 60.7 lbs Contact Captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 500	
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 Locator tool ST-011 Soldering fixture ST-008 Insert for .141 semi-rigid cable ST-010	

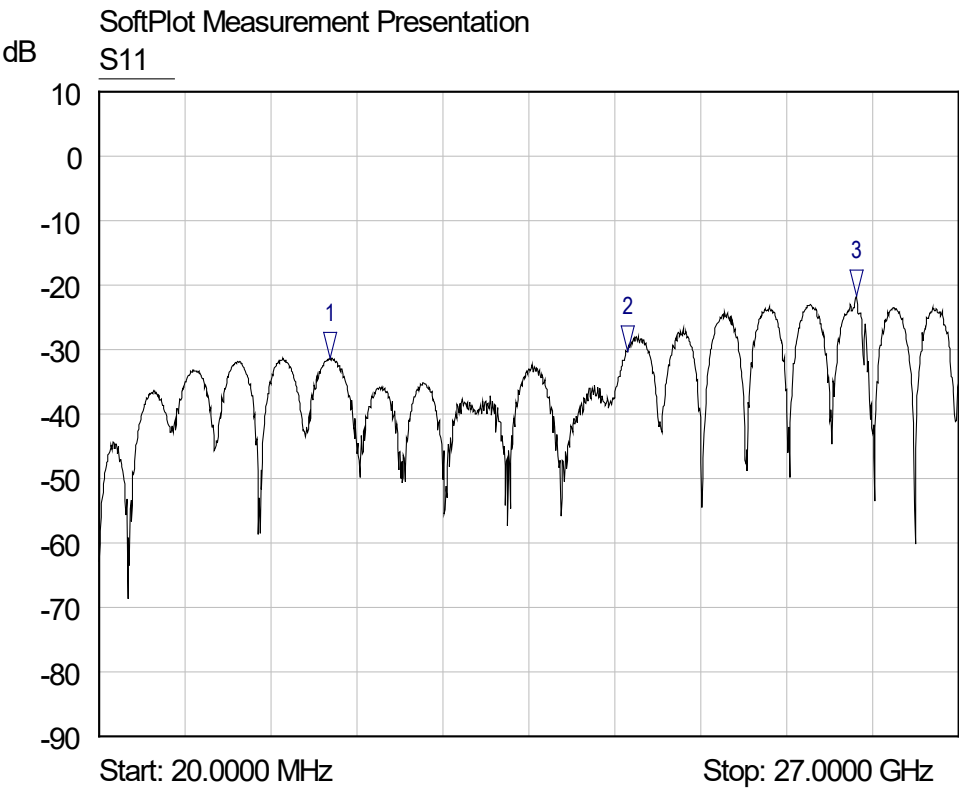
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JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMA33NV-0141		DATE	2017/12/01	REV	—
A	B	C	D		
					
BODY	SHELL	RETAINER RING	GASKET		
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN. Step 2: SHARPEN CENTER CONDUCTOR TIP.			
		Step 3: SLIDE SHELL " B " OVER THE CABLE.			
		Step 4: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-010 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".			
		Step 5: CUT AWAY ANY EXCESS TEFLON AFTER SOLDERING. Step 6: SLIDE GASKET " D " ONTO THE CONNECTOR BODY " A ".			
		Step 7: SLIDE SHELL " B " OVER THE CONNECTOR BODY " A ". Step 8: CLIP RETAINER RING " C " ON THE BACK OF CONNECTOR BODY " A ".			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA33NV-0141



Mkr	Trace	X-Axis	Value	Notes
1 ▾	S11	7.2600 GHz	-31.31 dB	
2 ▾	S11	16.6000 GHz	-30.35 dB	
3 ▾	S11	23.7800 GHz	-21.59 dB	