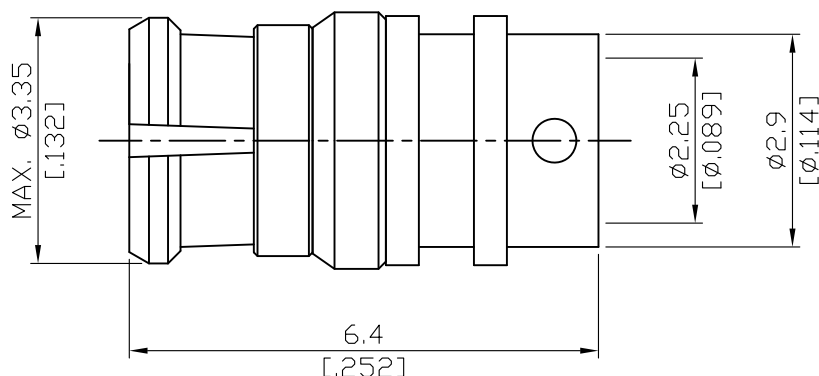


SMP8300-0085LL

SMP Plug Solder For Low Loss RG405
27GHz VSWR 1.2 & 36GHz VSWR 1.35

50Ω



Parts	Material	COPlating (Micro-inch)
Body	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Renber Ring	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables: 5002LD; Low loss .085 semi-rigid and Low loss RG405

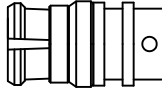
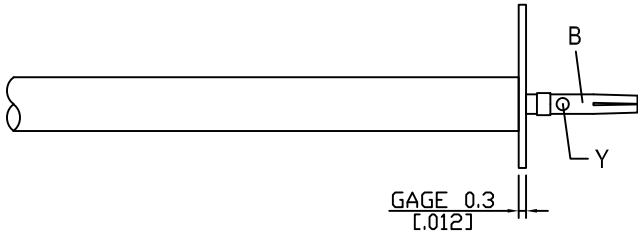
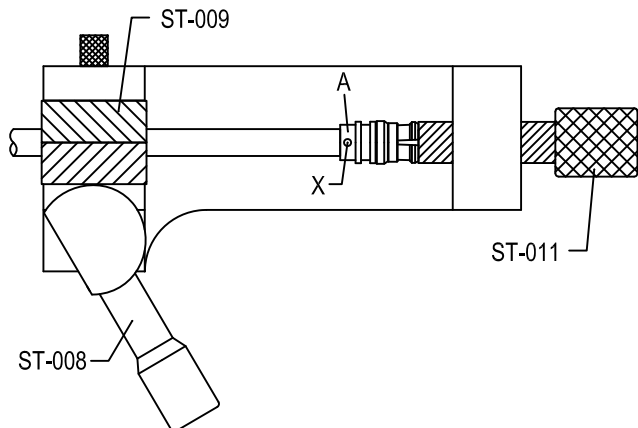
This part number complies with RoHS.

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

SMP		SMP8300-0085LL			
Interface					
MIL STD-348B					
Electrical Data					
Impedance	50Ω				
Frequency range	DC to 36GHz				
VSWR	≤ 1.2 (27GHz); ≤ 1.35 (36GHz)				
Insertion loss	≤ .06 x √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					
Soldering gauge 0.3mm thick	ST-0.3				
Soldering fixture	ST-008				
Insert for 0.85inch semi-rigid cable	ST-009				
Locator tool	ST-011				

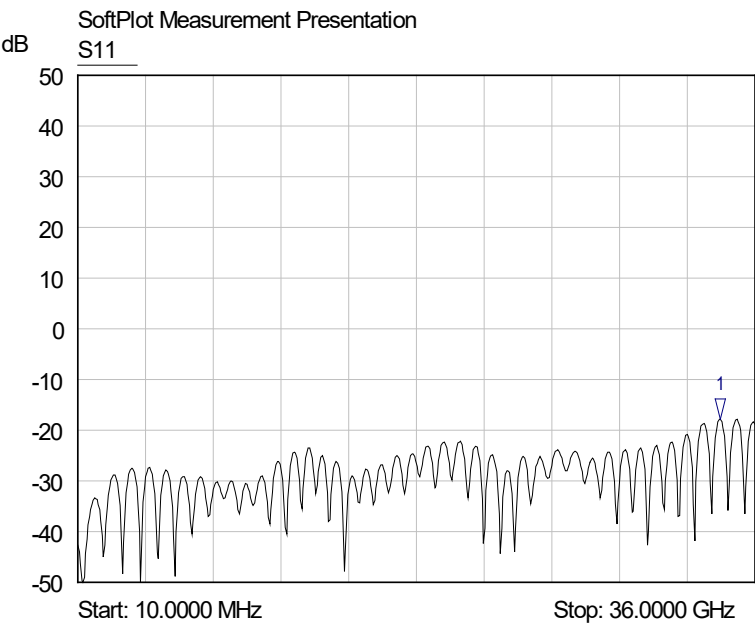
JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMP8300-0085LL		DATE	2019/03/13	REV	—
A		B			
					
BODY		CONTACT PIN			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: PUT 0.3 MM GAGE ST-0.3 IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".			
		Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-009 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMP8300-0085LL

S11



1 S11
34.1631 GHz
-17.81 dB