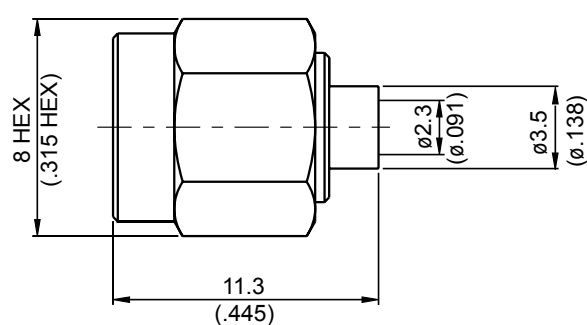


SMA3300S-0085

SMA Plug Solder For RG405
27GHz VSWR 1.3

50Ω



Parts	Material	Plating (Micro-inch)
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Renber Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Insulator	Teflon	
Body	Stainless	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Coupling Nut	Stainless	Passivated

Suitable Cables: Semi-rigid.085

This part number complies with RoHS.

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

SMA		SMA3300S-0085	
Interface			
MIL-STD-348B			
Mechanically compatible with		2.92 & 3.5	
Electrical Data			
Impedance		50Ω	
Frequency range		DC to 27GHz	
VSWR		≤ 1.3 (DC to 27GHz)	
Insertion loss		≤ 0.04 x √f(GHz) dB	
Insulation resistance		≥ 5000MΩ	
Contact resistance inner conductor		≤ 3mΩ	
Contact resistance outer conductor		≤ 2mΩ	
Dielectric withstanding voltage (at sea level)		1000 V rms	
Working voltage (at sea level)		335 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			
Soldering gauge	ST-0.3	Soldering fixture	ST-008
Locator tool	ST-011	Dielectric insertion tool	ST-003
Insert for .085 semi-rigid cable	ST-009		

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMA3300S-0085		DATE	2017/12/01	REV	—
A		B		C	
BODY		CONTACT PIN		INSULATOR	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y ". USE 0.3MM GAGE ST-0.3		
			Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-009 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".		
			Step 4: USE DIELECTRIC INSERTION TOOL " ST-003 " TO INSERT THE TEFLON " C ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA3300S-0085

