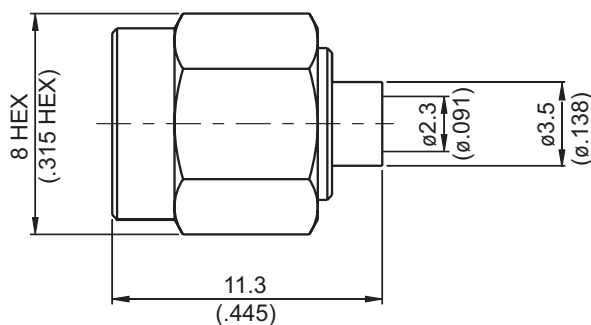


SMA33NP-0085

SMA Plug Solder For RG405;
27GHz VSWR 1.2

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	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Coupling Nut	Stainless	Passivated

Weight: 2.28 g

Suitable Cables: Semi-rigid.085; Formable .085; RG405

This part number complies with RoHS.

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

SMA	SMA33NP-0085
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 27GHz VSWR ≤ 1.2 (DC to 17GHz) 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) 1000 V rms Working voltage (at sea level) 335 V rms	
Mechanical Data Recommended coupling nut torque 4 inch lbs Coupling proof torque 5.3 inch lbs Coupling nut retention force ≥ 60.7 lbs Contact Captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 100	
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 fixture ST-008 Insert for .085 inch semi-rigid cable ST-009 Crimp insert ST-011 Dielectric insertion tool ST-003 Soldering gauge 0.3mm thick ST-0.3	

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JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA33NP-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	

SMA33NP-0085

