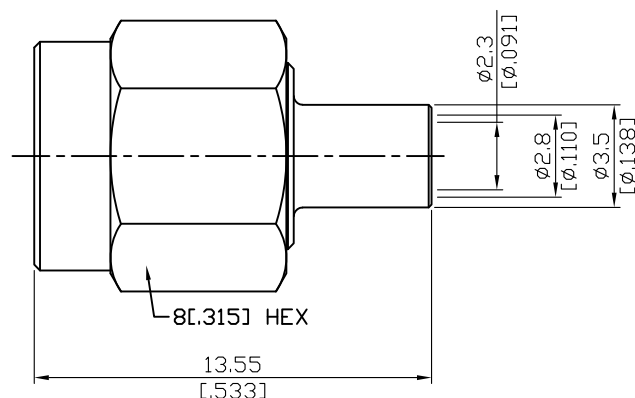


K3300-0405

2.9mm plug solder for Flexible RG405;
42GHz VSWR 1.2

50Ω



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

Suitable Cables: SS405, 5002, 5002LD, T-Flex405, Multibend 405

This part number complies with RoHS.

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

2.92 (K)	K3300-0405
Interface MIL-STD-348B Mechanically compatible with 3.5 & SMA	
Electrical Data Impedance 50Ω Frequency range DC to 42GHz VSWR ≤ 1.2 (DC to 42GHz) 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) 750 V rms Working Voltage (at sea level) 250 V rms RF leakage $\geq 100\text{dB}$ to 1GHz	
Mechanical Data Recommended coupling nut torque 11.47 inch lbs Coupling proof torque 15 inch lbs Contact Captivation-axial ≥ 4.9 lbs Durability (mating) ≥ 500	
Environmental Data Temperature range -40°C to +105°C Thermal shock MIL-STD-202, Method 107, Condition B Moisture resistance MIL-STD-202, Method 206 Corrosion MIL-STD-202, Method 101, Condition B RoHS Compliant	
Tooling Soldering gauge ST-0.2 Locator tool ST-017, ST-K33-85 Soldering fixture ST-008 Insert for .085 semi-rigid cable ST-009 Dielectric insertion tool ST-003A	

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JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

K3300-0405		DATE	2020/08/24	REV	A
A		B		C	
BODY		CONTACT PIN		INSULATOR	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: PUT 0.2 MM GAGE 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-017" AND "ST-K33-85" TO FIX THE CONNECTOR. SOLDER IN "X".		
			Step 4: USE DIELECTRIC INSERTION TOOL "ST-003A" TO INSERT THE INSULATOR "C".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

K3300-0405

S11

