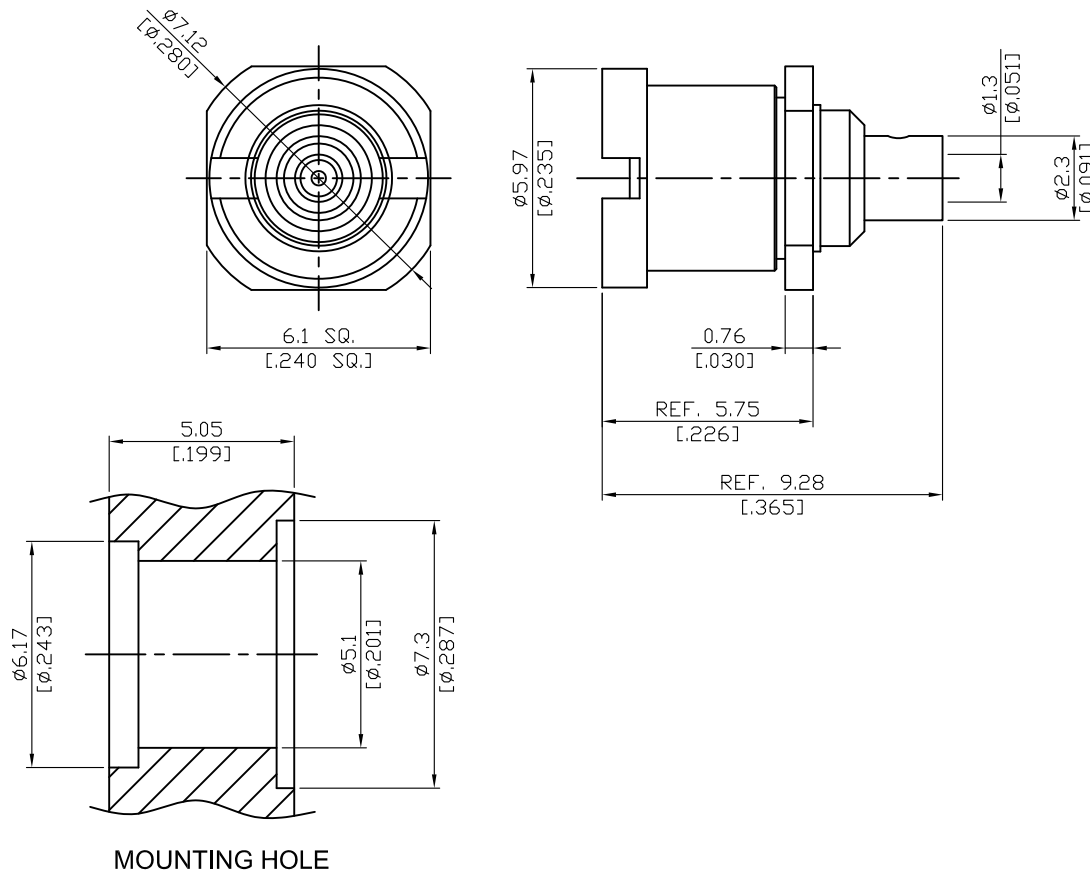


SMP3306SG-0047

SMP Solder Plug Catchers Mitt Interface;
18GHz VSWR 1.2; 30GHz VSWR 1.35

50Ω



Parts	Material	Plating (Micro-inch)
Ferrule	Stainless Steel	Passivated
Nut	Stainless Steel	Passivated
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Stainless Steel	Passivated

Suitable Cables: Semi-rigid .047

This part number complies with RoHS.

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

SMP		SMP3306SG-0047			
Interface MIL-STD-348B					
Electrical Data Impedance Frequency range VSWR Insertion loss Insulation resistance Contact resistance inner conductor Contact resistance outer conductor Dielectric withstanding voltage (at sea level) Working Voltage (at sea level) RF-Leakage 50Ω DC to 30GHz ≤ 1.2 (18GHz) ; ≤ 1.35 (30GHz) $\leq .06 \times \sqrt{f(\text{GHz})}$ dB $\geq 5000 \text{ M}\Omega$ $\leq 6\text{m}\Omega$ $\leq 2\text{m}\Omega$ 500 335 $\geq 80\text{dB}$ (3GHz); $\geq 65\text{dB}$ (3~26.5GHz)					
Mechanical Data Engagement force Disengagement force Durability (mating) Axial misalignment Radial misalignment		Full Detent ≤ 15 ≥ 5 ≥ 100	Limited Detent ≤ 10 ≥ 2 ≥ 500	Smooth bore & catchers mit ≤ 2 ≥ 0.5 ≥ 1000	lbs lbs $+ 0.00 / -0.25 (+.000 / -.010)$ ± 0.25 (0.010),min
Environmental Data Temperature range Thermal shock Moisture resistance Corrosion RoHS		-65°C to +165°C MIL-STD-202, Method 107, Condition B MIL-STD-202, Method 106 MIL-STD-202, Method 101, Condition B Compliant			
Tooling Soldering fixture Insert for 0.47inch semi-rigid cable Locator tool		ST-008 ST-047 ST-011			

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JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMP3306SG-0047		DATE	2015/10/29	REV	—
A		B		C	
NUT		BODY		CONTACT PIN	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: PUT PIN " C " ON CENTER CONDUCTOR AND SOLDER IN " Y ".		
			Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-047 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".		
			Step 4: SCREW NUT " A " ON THE CONNECTOR BODY " B ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

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