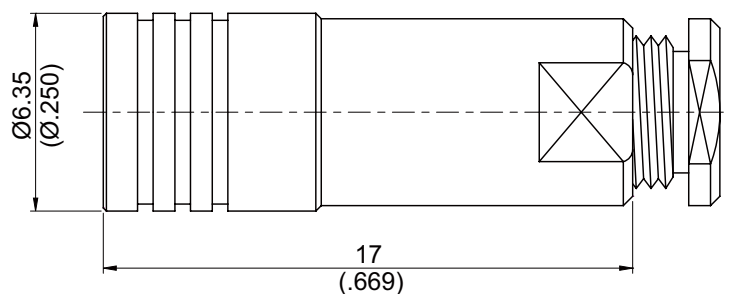


SMB3200-0316

SMB plug clamp for RG174,RG188,RG316; 50Ω
2.4GHz VSWR 1.2



Parts	Material	Plating (Micro-inch)
Nut	Brass	Gold 4 Over Nickel Phosphorus Alloy 80 Over Copper 20
Washer	Brass	Gold 4 Over Nickel Phosphorus Alloy 80 Over Copper 20
Gasket	Silicon	
Top Hat	Brass	Gold 4 Over Nickel Phosphorus Alloy 80 Over Copper 20
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Beryllium Copper	Gold 4 Over Nickel Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel Phosphorus Alloy 80 Over Copper 20

Suitable Cables:RG174,RG188,RG316,RG316-FEP

This part number complies with RoHS.

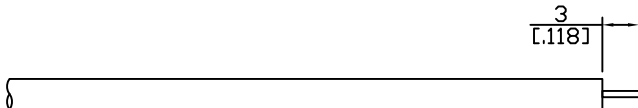
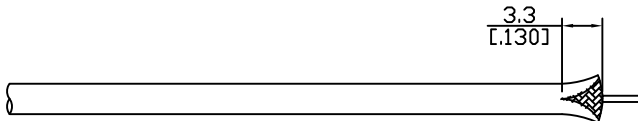
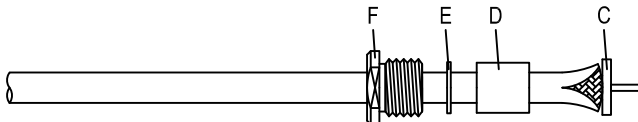
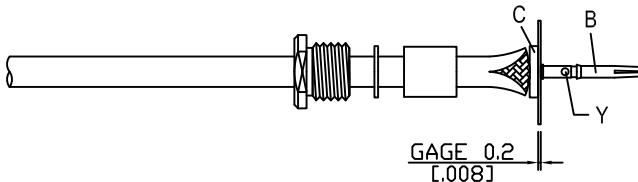
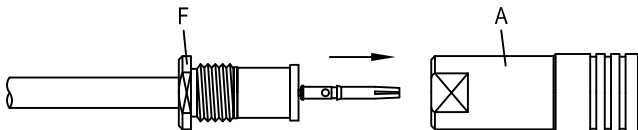
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMB	SMB3200-0316
Interface MIL-STD-348B Mechanically compatible with SMS	
Electrical Data Impedance 50Ω Frequency range DC to 2.4GHz VSWR ≤ 1.2 (DC to 2.4GHz) Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 10000\text{M}\Omega$ Contact resistance inner conductor $\leq 5\text{m}\Omega$ Contact resistance outer conductor $\leq 2.5\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1000V rms Working Voltage (at sea level) 335V rms	
Mechanical Data Disengagement force 1.8 to 14.2 lbs Engagement force 1.8 to 14.2 lbs Contact captivation-axial ≥ 4 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 Crimping tool CRT-1 or CRT-2 Crimp insert INSERT-A Soldering gauge ST-0.2	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMB3200-0316		DATE	2017/03/27		REV	—
A	B	C	D	E	F	
						
BODY		CONTACT PIN	TOP HAT	GASKET	WASHER	NUT
DIAGRAM			ASSEMBLY INSTRUCTION			
			Step 1: STRIP AS SHOWN.			
			Step 2: MAKE A 3.3MM LONG CUT IN THE JACKET WITHOUT DAMAGING THE BRAIDING.			
			Step 3: SLIDE NUT " F " 、 WASHER " E " AND GASKET " D " OVER CABLE. Step 4: LOOSEN BRAIDING AND SLIDE TOP HAT " C " IN PLACE.			
			Step 5: SLIDE PREPARED CABLE INTO INSULATOR " C ". Step 6: PUT 0.2 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A IF CRIMPED)			
			Step 7: FINALLY SCREW " F " ON THE CONNECTOR BODY " A ".			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.						
APPROVED		CHECKED		DRAWING		
				Albert		

SMB3200-0316

S11

