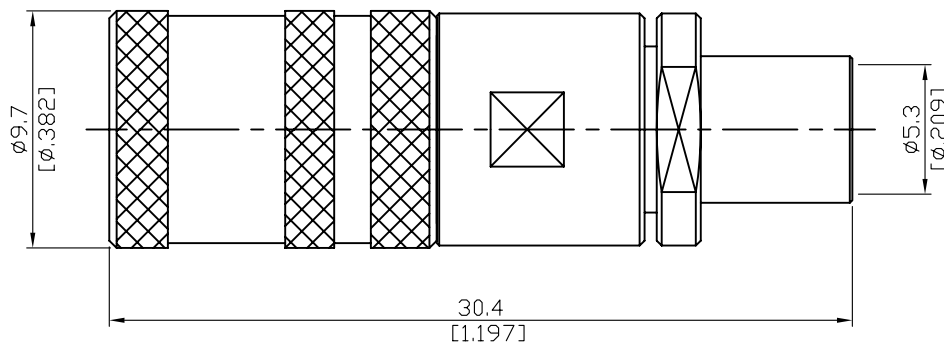


SMA3200QS-5005

Snap on SMA plug solder clamp for 5005,
LL142; 18GHz VSWR 1.2

50Ω



Note:

1. Precision connector up to 18GHz
2. Solder clamp design ensures a sturdy connector/cable connection
3. Manufacturing low loss high frequency RF assemblies requires expertise.
4. Snap on SMA plug with locking mechanism
5. Snap on SMA plug is specified up to 20000 matings minimum
6. To get a proper mating one should first snap on the SMA plug and then give it a little turn.

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

Suitable Cables: 5005, LL142

This part number complies with RoHS.

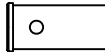
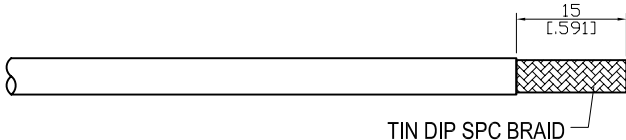
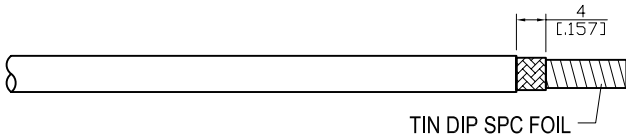
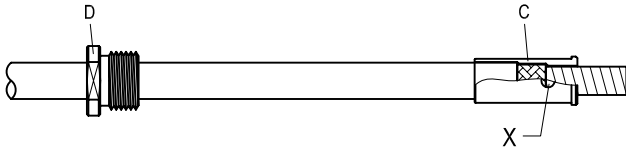
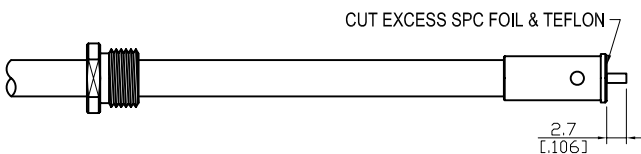
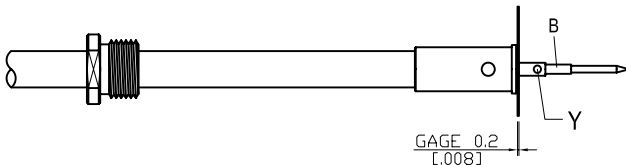
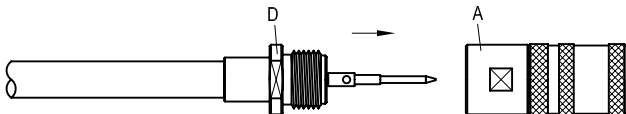
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA3200QS-5005
Interface Per JYEBAO Snap On SMA Plug Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 18GHz VSWR ≤ 1.2 (DC to 18GHz) 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 Not applicable Coupling proof torque Not applicable Contact Captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 20000	
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 0.2mm thick ST-0.2	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMA3200QS-5005		DATE	2015/06/26	REV	—
A		B	C	D	
					
BODY		CONTACT PIN		CLAMP NUT	
DIAGRAM		ASSEMBLY INSTRUCTION			
 TIN DIP SPC BRAID		Step 1: STRIP AS SHOWN AND TIN DIP SPC BRAID.			
 TIN DIP SPC FOIL		Step 2: STRIP AS SHOWN AND TIN DIP SPC FOIL.			
		Step 3: SLIDE NUT " D " AND SOLDER FERRULE " C " OVER THE CABLE. Step 4: SOLDER IN " X ".			
 CUT EXCESS SPC FOIL & TEFLON		Step 5: CUT AWAY ANY EXCESS SPC FOIL AND TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 6: CUT CENTER CONDUCTOR TO LENGTH.			
 GAGE 0.2 [.008]		Step 7: PUT 0.2 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".			
		Step 8: FINALLY SCREW NUT " D " 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