

SMA8200-0142

SMA Jack Clamp For RG58,RG142,RG400, JBY195,LMR195; 6GHz VSWR 1.2

50Ω

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	Silicone	
Top Hat	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Weight:

Suitable Cables: RG55,RG58,RG142,RG223,RG400,JBY195

This part number complies with RoHS.

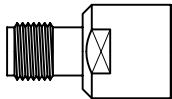
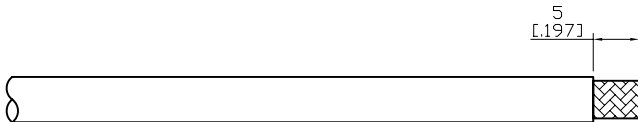
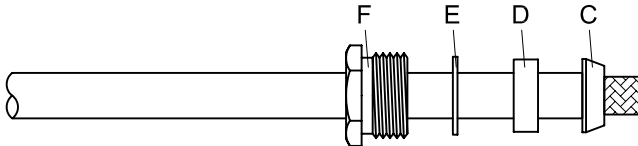
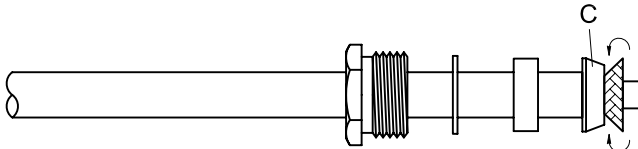
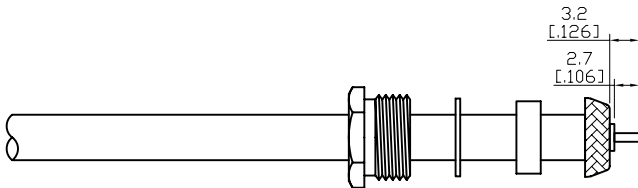
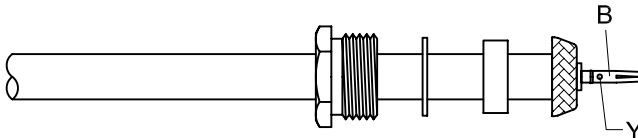
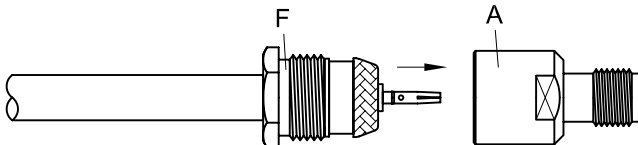
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA8200-0142
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 6GHz VSWR ≤ 1.2 (DC to 6GHz) 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 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	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA8200-0142		DATE	2016/01/15	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: SLIDE NUT " F " 、 WASHER " E " 、 GASKET " D " AND TOP HAT " C " OVER CABLE.			
		Step 3: WRAP THE BRAIDING OVER " C " .			
		Step 4: STRIP AS SHOWN.			
		Step 5: PUT CONTACT PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y " .			
		Step 6: 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	

SMA8200-0142

S11

