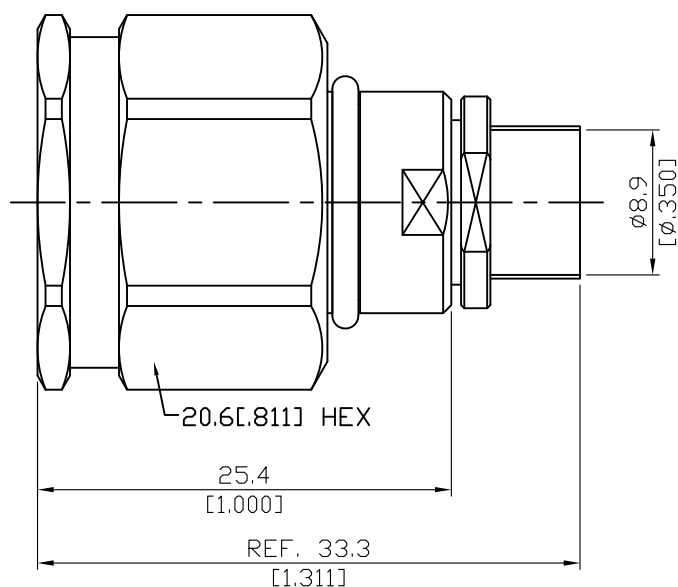


SC3200S-L335

SC Plug Solder Clamp For 5006, LL335;
11GHz VSWR 1.25

50Ω



Note:

1. Precision connector up to 11GHz.
2. Solder clamp design ensures a sturdy connector/cable connection.
3. Manufacturing low loss high frequency RF assemblies requires expertise.

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
Solder Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Gasket	Silicone	
Clamp Nut	Stainless Steel	Passivated

Suitable Cables: 5006; LL335

This part number complies with RoHS.

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

SC	SC3200S-L335
Interface MIL-STD-348B	
Electrical Data Impedance 50Ω Frequency range DC to 11Hz VSWR ≤ 1.25 (DC to 11GHz) Insertion loss $\leq 0.06 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 1.5\text{m}\Omega$ Contact resistance outer conductor $\leq 1.5\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 3000 V rms Working Voltage (at sea level) 1000 V rms	
Mechanical Data Recommended coupling nut torque 12 to 15 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 100 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 Soldering gauge ST-0.3	

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JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SC3200S-L335		DATE	2020/02/03	REV	—
A BODY B CONTACT PIN C SOLDER FERRULE D CLAMP NUT					
DIAGRAM		ASSEMBLY INSTRUCTION			
20 [.787] TIN DIP SPC BRAID		Step 1: STRIP AS SHOWN AND TIN DIP SPC BRAID.			
4.5 [.177] TIN DIP SPC FOIL		Step 2: STRIP AS SHOWN AND TIN DIP SPC FOIL.			
D C X		Step 3: SLIDE NUT " D " AND SOLDER FERRULE " C " OVER THE CABLE. Step 4: SOLDER IN " X ".			
CUT EXCESS SPC FOIL & TEFLON 5.3 [.209]		Step 5: CUT AWAY ANY EXCESS SPC FOIL AND TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 6: CUT CENTER CONDUCTOR TO LENGTH.			
B Y GAGE 0.3 [.012]		Step 7: PUT 0.3 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".			
D A		Step 8: FINALLY SCREW NUT " D " ON THE CONNECTOR BODY " A ".			
This part number complies with RoHS. Notice: JYBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SC3200S-L335

S11

