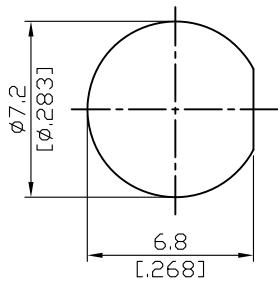
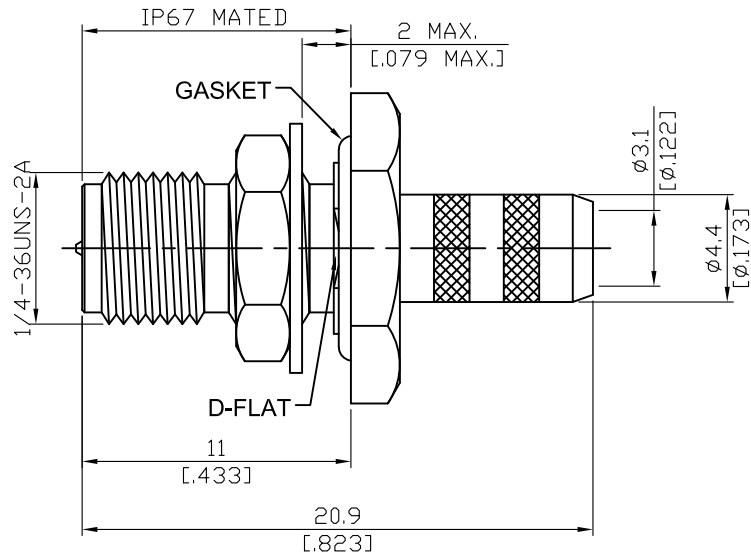
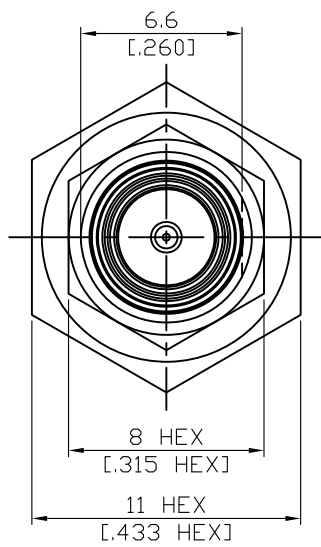


SMA9105-0142

SMA reverse polarity jack crimp bulkhead,
IP67 mated, For RG142,RG400; 6GHz VSWR 1.2

50Ω



MOUNTING HOLE

Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Hex Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Lock Washer	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Gasket	Silicone	
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: RG142, RG400

This part number complies with RoHS.

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

SMA9105-0142

Interface

Per JYEBAO SMA Reverse Polarity Jack derived from MIL-STD-348B

Electrical Data

Impedance	50Ω
Frequency range	DC to 6GHz
VSWR	≤ 1.2 (DC to 6GHz)
Insertion loss	≤ 0.04 x √f(GHz) dB
Insulation resistance	≥ 5000MΩ
Contact resistance inner conductor	≤ 3mΩ
Contact resistance outer conductor	≤ 2mΩ
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

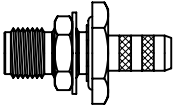



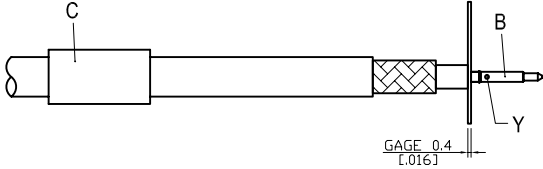
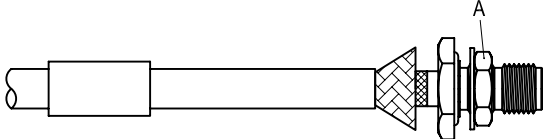
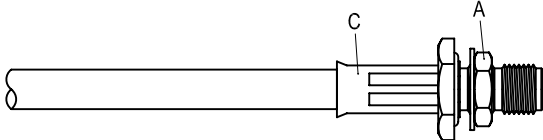
Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Moisture resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant

Tooling

Crimping tool	CRT-1 or CRT-2
Crimp insert	INSERT-B
Soldering gauge	ST-0.4

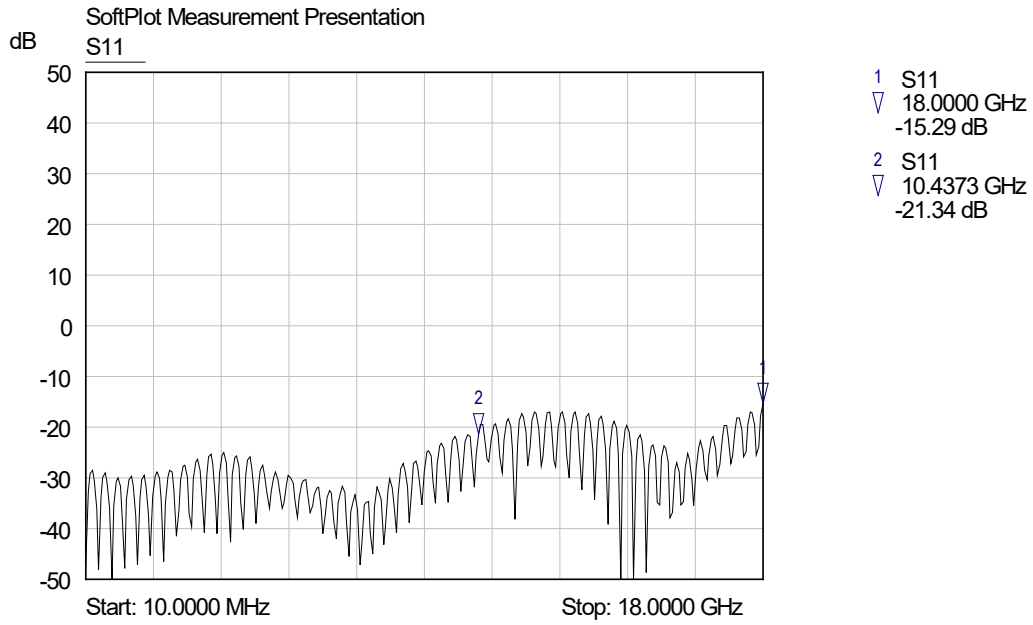
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

CABLE ASSEMBLY INSTRUCTION

SMA9105-0142	DATE	2017/11/01	REV	—
 <p style="text-align: center;">A</p> <p style="text-align: center;">BODY + GASKET + WASHER + HEX NUT</p>	 <p style="text-align: center;">B</p> <p style="text-align: center;">CONTACT PIN</p>	 <p style="text-align: center;">C</p> <p style="text-align: center;">FERRULE</p>		
DIAGRAM	ASSEMBLY INSTRUCTION			
	Step 1: STRIP AS SHOWN.			
 <p style="text-align: center;">GAGE 0.4 [0.016]</p>	Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". USE 0.4MM GAGE ST-0.4 (USE SQUARE 0.98mm/0.039inch SECTION OF INSERT-B IF CRIMPED)			
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.			
	Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 5.5mm/0.217inch HEX SECTION OF INSERT-B)			
This part number complies with RoHS. Notice: JYBAO reserves the right to make modifications deemed appropriate.				
APPROVED	CHECKED	DRAWING	<i>Albert</i>	

SMA9105-0142

S11



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