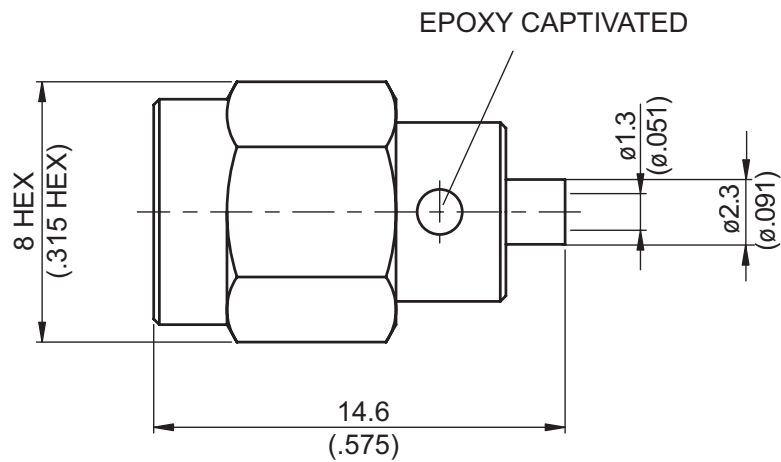


SMA3300-0047

SMA Plug Solder For .047 semi-rigid
11GHz VSWR 1.2

50Ω



勝特力電材超市-龍山店 886-3-5773766
 勝特力電材超市-光復店 886-3-5729570
 勝特力電子(上海) 86-21-34970699
 勝特力電子(深圳) 86-755-83298787
<http://www.100y.com.tw>

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

Weight: 2.54 g

Suitable Cables: semi-rigid .047; conformable .047; 5001

SMA	SMA3300-0047
<div data-bbox="172 387 568 432" style="border: 1px solid black; padding: 2px;">Interface</div> <p data-bbox="172 443 384 477">MIL-STD-348B</p> <p data-bbox="172 488 1007 521">Mechanically compatible with 2.92 & 3.5</p>	
<div data-bbox="172 555 568 600" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <p data-bbox="172 611 916 645">Impedance 50Ω</p> <p data-bbox="172 656 1046 689">Frequency range DC to 11GHz</p> <p data-bbox="172 701 1150 734">VSWR ≤ 1.2 (DC to 11GHz)</p> <p data-bbox="172 745 1150 779">Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB</p> <p data-bbox="172 790 1007 824">Insulation resistance $\geq 5000\text{M}\Omega$</p> <p data-bbox="172 835 954 869">Contact resistance inner conductor $\leq 3\text{m}\Omega$</p> <p data-bbox="172 880 954 913">Contact resistance outer conductor $\leq 2\text{m}\Omega$</p> <p data-bbox="172 925 1018 958">Dielectric withstanding voltage (at sea level) 1000 V rms</p> <p data-bbox="172 969 1002 1003">Working voltage (at sea level) 335 V rms</p>	
<div data-bbox="172 1097 568 1142" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <p data-bbox="172 1153 991 1187">Recommended coupling nut torque 4 inch lbs</p> <p data-bbox="172 1198 1018 1232">Coupling proof torque 5.3 inch lbs</p> <p data-bbox="172 1243 999 1276">Coupling nut retention force ≥ 60.7 lbs</p> <p data-bbox="172 1288 983 1321">Contact Captivation-axial ≥ 6.1 lbs</p> <p data-bbox="172 1332 943 1366">Durability (mating) ≥ 100</p>	
<div data-bbox="172 1406 568 1451" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <p data-bbox="172 1462 1091 1496">Temperature range -40°C to +165°C</p> <p data-bbox="172 1507 1422 1541">Thermal shock MIL-STD-202, Method 107, Condition B</p> <p data-bbox="172 1552 1235 1585">Moisture resistance MIL-STD-202, Method 106</p> <p data-bbox="172 1597 1422 1630">Corrosion MIL-STD-202, Method 101, Condition B</p> <p data-bbox="172 1641 1002 1675">RoHS Compliant</p>	
<div data-bbox="172 1753 568 1798" style="border: 1px solid black; padding: 2px;">Tooling</div> <p data-bbox="172 1809 1075 1843">Locator tool ST-001, ST-011</p> <p data-bbox="172 1854 963 1888">Soldering fixture ST-008</p> <p data-bbox="172 1899 963 1933">Insert for .047 semi-rigid cable ST-047</p>	

CABLE ASSEMBLY INSTRUCTION

SMA3300-0047	DATE	2020/07/25	REV	—
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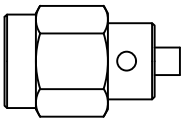
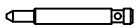

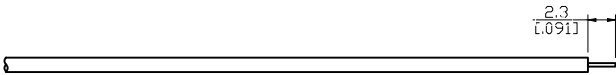
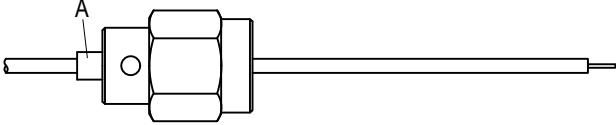
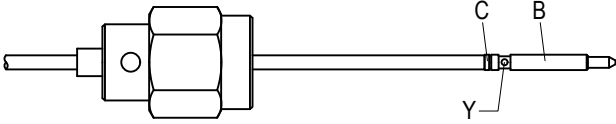
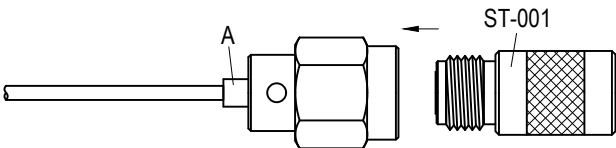
A	B	C
		
BODY	CONTACT PIN	INSULATOR

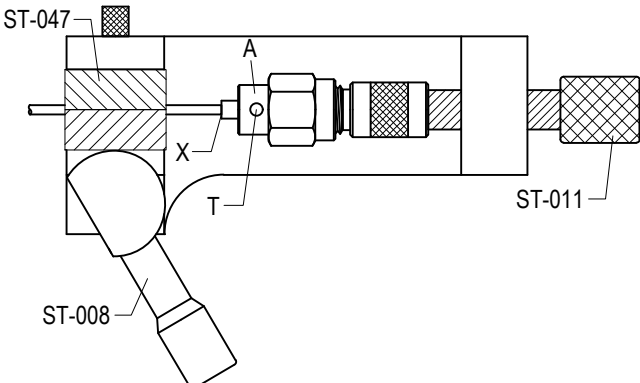
DIAGRAM	ASSEMBLY INSTRUCTION
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	<p>Step 1: STRIP AS SHOWN.</p>
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	<p>Step 2: SLIDE CONNECTOR BODY "A" OVER CABLE.</p>
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	<p>Step 3: PUT INSULATOR "C" AND PIN "B" ON CENTER CONDUCTOR AND SOLDER IN "Y".</p>
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	<p>Step 4: INSERT PREPARED CABLE INTO CONNECTOR BODY "A". Step 5: SCREW LOCATOR TOOL "ST-001" INTO THE CONNECTOR BODY "A".</p>
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	<p>Step 6: USE SOLDERING FIXTURE "ST-008", INSERT TOOL "ST-047" AND LOCATOR TOOL "ST-011" TO FIX THE CONNECTOR. SOLDER IN "X" AND FILL EPOXY IN "T".</p>
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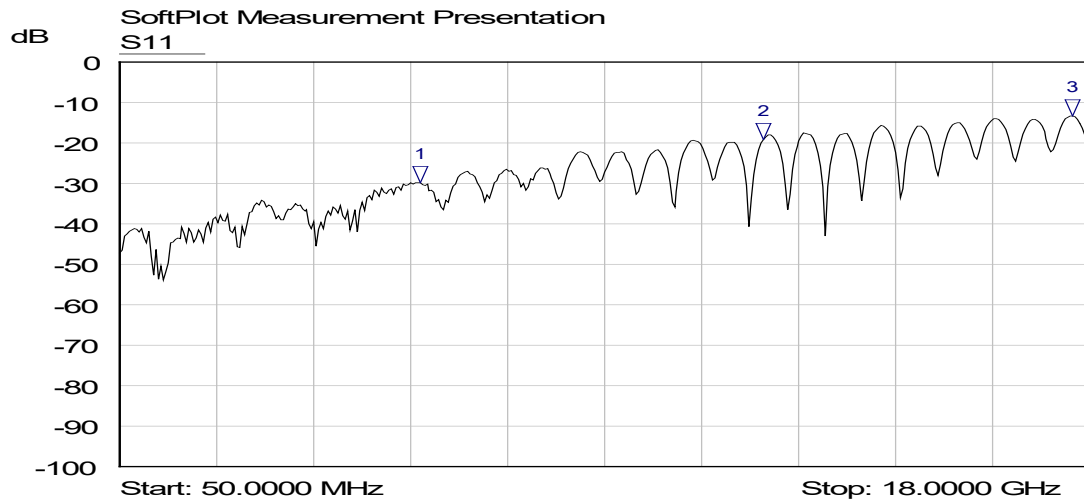
This part number complies with RoHS.

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

APPROVED	CHECKED	DRAWING
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Albert

SMA3300-0047



Mkr	Trace	X-Axis	Value	Notes
1 ▾	S11	5.6048 GHz	-29.84 dB	
2 ▾	S11	11.9595 GHz	-19.12 dB	
3 ▾	S11	17.6920 GHz	-13.27 dB	

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