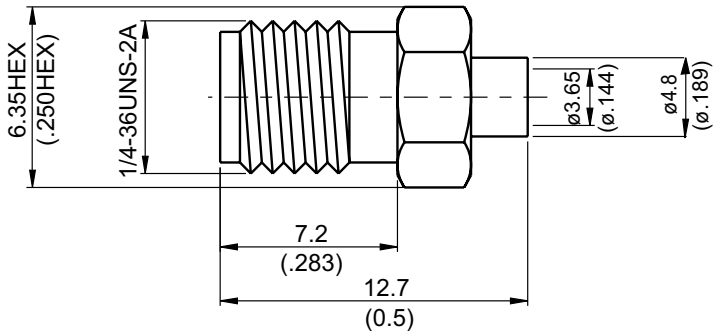
勝特力電材超市-龍山店 886-3-5773766
勝特力電材超市-光復店 886-3-5729570
胜特力电子(上海) 86-21-34970699
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http://www.100y.com.tw

SMA8300-0141	**SMA Jack Solder For RG402 9GHz VSWR 1.25**	**50Ω**



Parts	Material	Plating (Micro-inch)
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

Weight: 1.52 g
Suitable Cables: Semi-rigid.141

SMA	SMA8300-0141
Interface	
MIL-STD-348B	
Mechanically compatible with	2.92 & 3.5
Electrical Data	
Impedance	50Ω
Frequency range	DC to 9GHz
VSWR	≦1.25 (DC to 9GHz)
Insertion loss	≦0.04 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≧5000MΩ
Contact resistance inner conductor	≦3mΩ
Contact resistance outer conductor	≦2mΩ
Dielectric withstanding voltage (at sea level)	1500 V rms
Working voltage (at sea level)	500 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	
Soldering gauge	ST-005
Locator tool	ST-011
Soldering fixture	ST-008
Insert for .141 semi-rigid cable	ST-010
Dielectric insertion tool	ST-004

CABLE ASSEMBLY RECOMMENDATION

SMA8300-0141	DATE	2020/06/10	REV	A

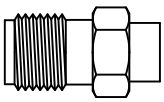
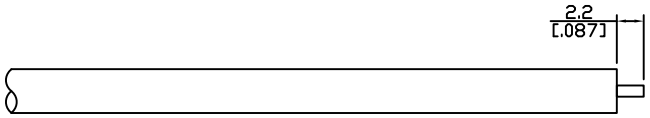
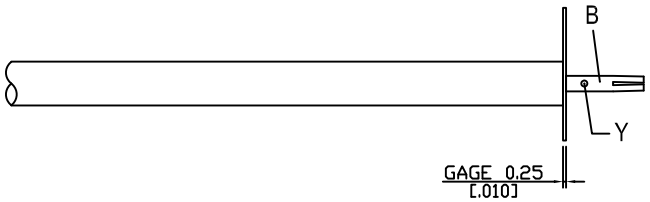
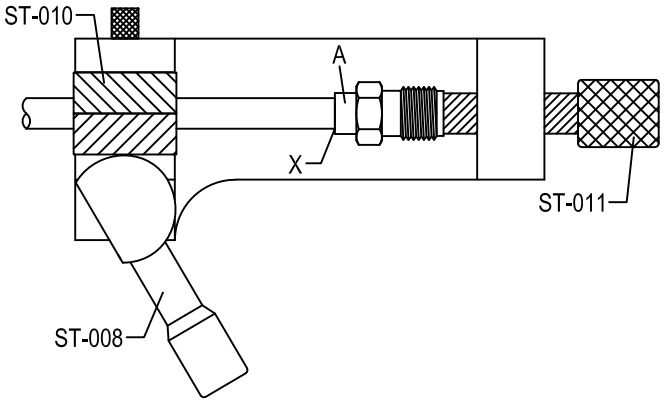
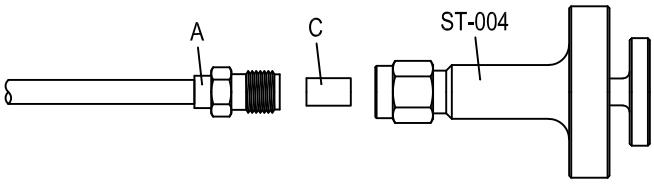
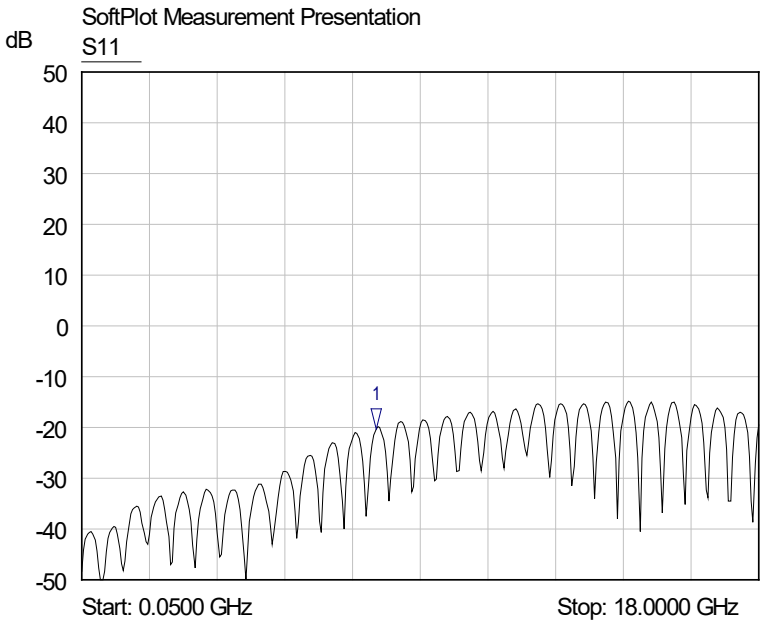
A	B	C
		
BODY	CONTACT PIN	INSULATOR

DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: PUT 0.25 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".
	Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-010 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".
	Step 4: USE DIELECTRIC INSERTION TOOL " ST-004 " TO INSERT THE TEFLON " C ".

This part number complies with RoHS.

APPROVED	CHECKED	DRAWING
		Albert

SMA8300-0141



1 S11
7.8500 GHz
-20.33 dB

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