

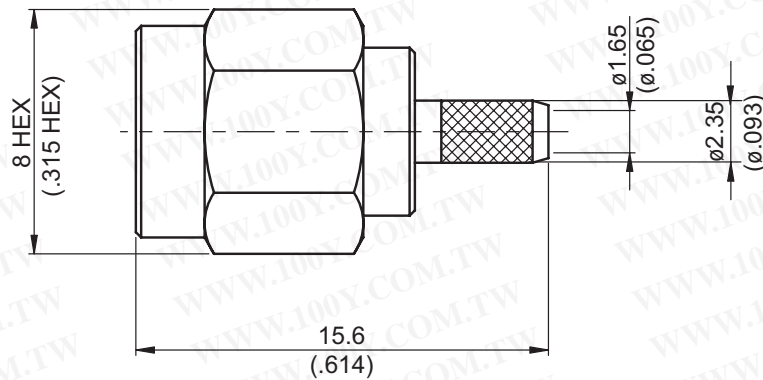
RG TYPE COAXIAL CABLE	RG316	
DIMENSIONS		
Center Conductor Diameter (inch) (mm)	0.02 0.51	
Dielectric Diameter (inch) (mm)	0.06 1.52	
Braid Diameter (inch) (mm)	0.078 1.98	
Jacket (inch) (mm)	0.098 2.49	
MATERIAL SPECIFICATIONS		
Jacket	FEP	
Braid	SPC (Single Braid)	
Dielectric	PTFE	
Center Conductor	7/0067 SPCW	
ELECTRICAL CHARACTERISTICS		
Impedance	50 Ohm	
Capacitance (Nominal) (pF/ft) (pF/m)	32 105	
Maximum Working Voltage	900	
Max. Cond. Resistance (Ohms/100Ft) (Ohms/100m)	8.41 27.6	
Corona Extinction Voltage (K VRMS)	1.2	
Min. Dielectric Strength (KV RMS)	2	
Max. Attenuation (dB/100Ft)	Attenuation	Power
Max Power (Watts)		
100MHz	11	430
400MHz	21	240
1GHZ	38	160
2.4GHZ	55.4	90
5GHz	/	57
10GHz	/	30
MECHANICAL CHARACTERISTICS		
Max. Operating Temperature (°C)	-55/+200	
Min. Bend Radius (inch) (mm)	0.5 12.7	
Weight (g/Ft) (g/M)	4.5 15	

This part number complies with RoHS.

SMA3100-0316

SMA Plug Crimp

50Ω



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 5 Over Nickel 50 Over Copper 50
Contact Pin	Brass	Gold 20 Over Nickel 50 Over Copper 50
Renber Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Insulator	Teflon	
Body	Brass	Gold 5 Over Nickel 50 Over Copper 50
Coupling Nut	Brass	Gold 5 Over Nickel 50 Over Copper 50

Weight: 3.06 g

Suitable Cables: RG174, RG188, RG316, JBY100, RG316-E, RG316-FEP

CABLE ASSEMBLY INSTRUCTION

SMA3100-0316

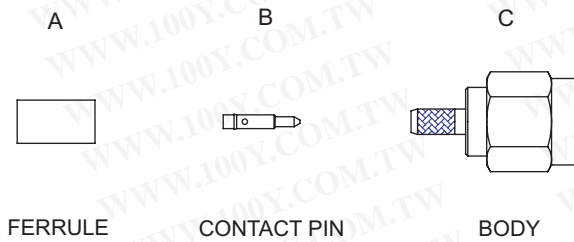


DIAGRAM	ASSEMBLY INSTRUCTION
	<p>Step 1: STRIP AS SHOWN.</p>
	<p>Step 2: SLIDE FERRULE "A" OVER CABLE. Step 3: PUT PIN "B" ON CENTER CONDUCTOR AND SOLDER IN "Y".</p>
	<p>Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "C" IN PLACE.</p>
	<p>Step 5: SLIDE FERRULE "A" TOWARDS THE CONNECTOR "C" AND CRIMP.</p>

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