



Semi-flex RG405 Physical Characteristics

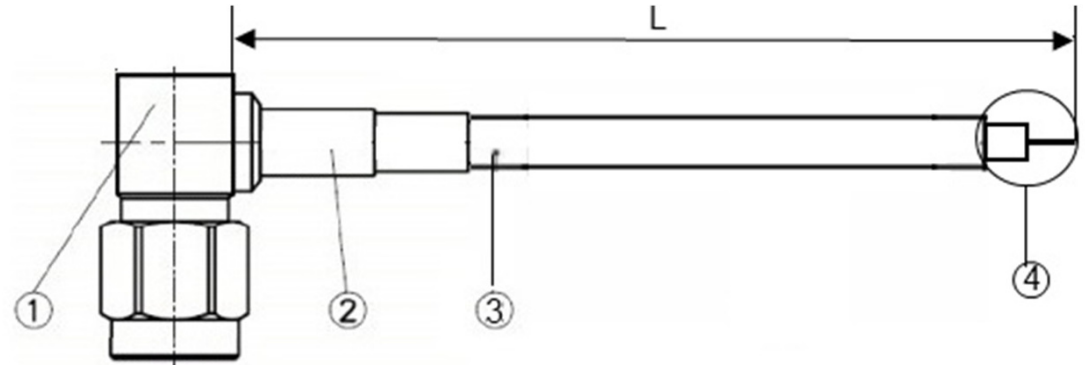
Center Conductor	0.51±0.01mm Solid SC
PTFE Dielectric Diameter	1.66±0.03mm
Outer Conductor OD	2.10±0.02mm OTCWB
Minimum Bend Radius	35mm
Operating Temperature	-20~ 200°C

Semi-flex RG405 Electrical Characteristics

Impedance	50 ± 2ohms	
Capacitance	95±2 pf/m	
Velocity	70%	
Maximum Attenuation(dB/100m) @	0.1GHz	16.1
	0.4GHz	33.6
	1GHz	64.0
	3GHz	104.5
	5GHz	142.0
Max Frequency	18GHz	

整條 Assembly 之 Loss 為以下 3 項數值之加總

1. 接頭 Loss : $0.06 \times \sqrt{\text{頻率}}$ (2 端都有接頭則需將此數值 x2)
2. 組裝 Loss : 0.12 (2 端都有組裝則需將此數值 x2)
3. 線材 Loss : 依上述 Maximum Attenuation 換算需求長度之 Loss



Note.

Material Specification

- 1.SMA Connector:
Center Pin:Brass/Gold
Insulator:Teflon
Body:Brass/Gold
- 2.Heat Shrink Tube:
Color:Black
- 3.Cable:
Semi-Flex RG405
- 4.Stripped & Tinned
Size:Customized



General Tolerance				  Woken Technology Inc.	
0.5~10mm		±0.2		CODE	DWG TITLE
11~100mm		±5.0			
101~500mm		±10.0			
501~1000mm		±15.0			SMA(M)R/A for Semi-Flex RG405 Cable Assembly/L:NC
1001~2000mm		±20.0			
2000~5000mm		±50.0			
UNLESS OTHERWISE SPECIFIED				SIZE A4	DWG NO. 00100A3G100XXX
THIRD ANGLE PROJECTION		DRAWN	Terence		
		ENGR	Jack		
		APVD	James	REV A	
			08/03/10'		
			08/03/10'		
			08/03/10'		