



Semi-flex RG402 Physical Characteristics



Center Conductor	0.93±0.02mm Solid SC
PTFE Dielectric Diameter	2.95±0.05mm
Outer Conductor OD	3.58±0.02mm OTCWB
Minimum Bend Radius	35mm
Operating Temperature	-20~ 200℃

Semi-flex RG402 Electrical Characteristics

Impedance	50 ± 2ohms	
Capacitance	96±2 pf/m	
Velocity	70%	
Maximum Attenuation(dB/100m) @	0.1GHz	12.5
	0.4GHz	25.65
	1GHz	42.0
	3GHz	78.1
	5GHz	105.0
Max Frequency	18GHz	

整條 Assembly 之 Loss 為以下 3 項數值之加總

- 1.接頭 Loss : 0.06 x $\sqrt{\text{頻率}}$ (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

Specifications:

Electrical:

Frequency:DC-6GHz

Material:

1.N Connector:

Center Pin:Brass/Gold

Insulator:Teflon

Body:Brass/Nickel

2.Heat Shrink Tube:

Color:Black

3.SMA Connector:

Center Pin:Brass/Gold

Insulator:Teflon

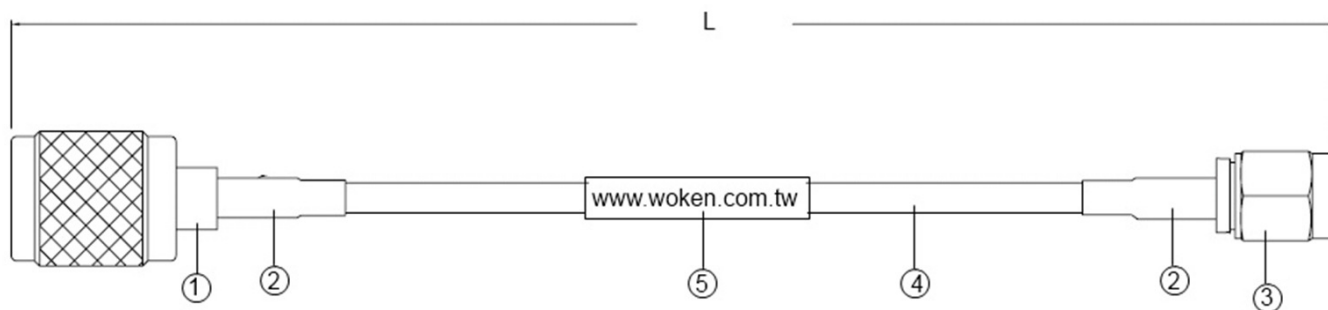
Body:Brass/Gold

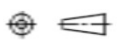
4.Cable:

Semi-Flex RG402 Cable

5.Heat Shrink Tube:

Color:Yellow



General Tolerance				  Woken Technology Inc.	
0.5~10mm				CODE	
11~100mm					
101~500mm					
501~1000mm					
1001~2000mm				SIZE	
2000~5000mm					
UNLESS OTHERWISE SPECIFIED				DWG TITLE	
THIRD ANGLE PROJECTION		DRAWN			
		Terence			
		08/03/10'			
		ENGR		REV	
		Jack			
		APVD		A	
		James			
		08/03/10'		DWG NO.	
				00100A1F1N1XXX	