



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 Static	8mm
Operating Temperature	-65~ 150°C

Semi-flex RG402 Electrical Characteristics

Impedance	50 ± 2ohms		
Capacitance	96±2 pf/m		
Velocity	70%		
Structure	Frequency	Maximum Attenuation(dB/m)	Average Power(W)
	0.5GHz	0.27	790
	1GHz	0.41	526
	2GHz	0.62	351
	3GHz	0.78	277
	5GHz	1.05	205
	10GHz	1.58	137
	18GHz	2.22	97
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

VSWR:1.3:1(Max.)

Material

1.SMA Connector:

Center Pin:Brass/Gold

Insulator:Teflon

Body:Brass/Gold

2.Heat Shrink Tube:

Color:Black

3.Cable:

Semi-Flex RG402

4.Heat Shrink Tube:

Color:Yellow

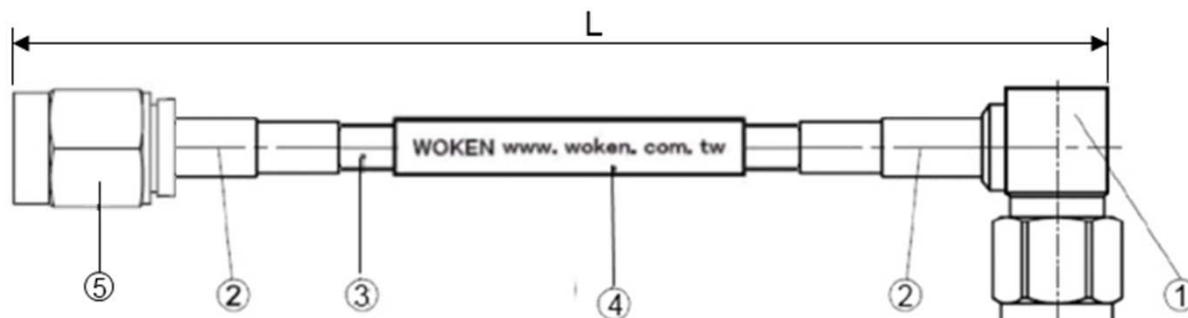
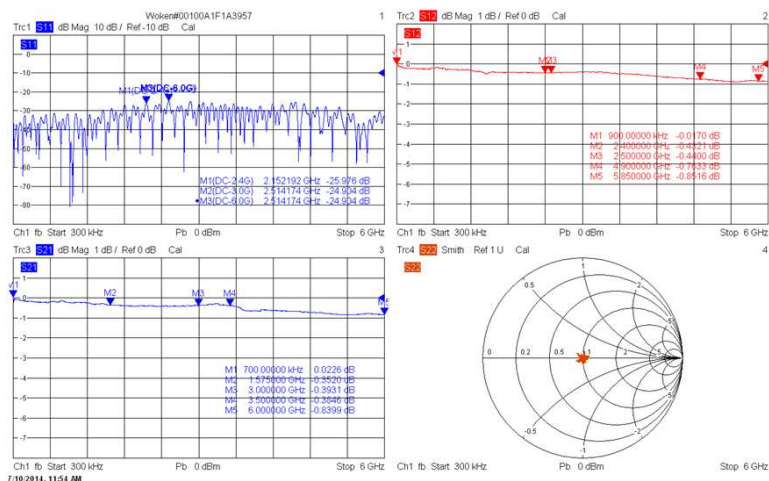
5.SMA Connector:

Center Pin:Brass/Gold

Insulator:Teflon

Body:Brass/Gold

60cm Test Report:



General Tolerance				  Woken Technology Inc.	
0.5~10mm		±0.2		CODE	DWG TITLE SMA(M)-SMA(M)R/A for Semi-Flex RG402 Cable Assembly
11~100mm		±5.0			
101~500mm		±10.0			
501~1000mm		±15.0			
1001~2000mm		±20.0			
2000~5000mm		±50.0			
UNLESS OTHERWISE SPECIFIED				SIZE	DWG NO. 00100A2F1A3XXX
THIRD ANGLE PROJECTION		DRAWN	Terence	A4	
		ENGR	Jack	REV A	
		APVD	James		