



RG174 Physical Characteristics

Center Conductor	0.48 mm(bare annealed copper)
XLPE Dielectric Diameter	1.45 mm
Shield	SPC
Jacket	PVC
Overall Diameter	2.7mm
Operating Temperature	-40~ +80°C
Weight	9.0 lbs./MFT

RG174 Electrical Characteristics

Impedance	50 ± 2 ohms	
Capacitance	100 pf/m	
Maximum Attenuation(dB/m) @	100MHz	0.395
	400MHz	0.655
	1GHz	1.175
	3GHz	2.103
Max Frequency	3GHz	

Maximum frequencies” are those as referenced on individual slant sheets of the MIL-C-17 specification. No values are given for unswept constructions as the specification recommends these cables should not be used above 400 MHz. (All figures referenced above are nominal unless otherwise specified.)

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-3GHz

Material:

1.SMA Connector:

Center Pin:Phosphor Bronze/Gold

Insulator:Teflon

Body:Brass/Gold

2.Heat Shrink Tube:

Color:Yellow

3.MCX Connector:

Center Pin:Brass/Gold

Insulator:Teflon

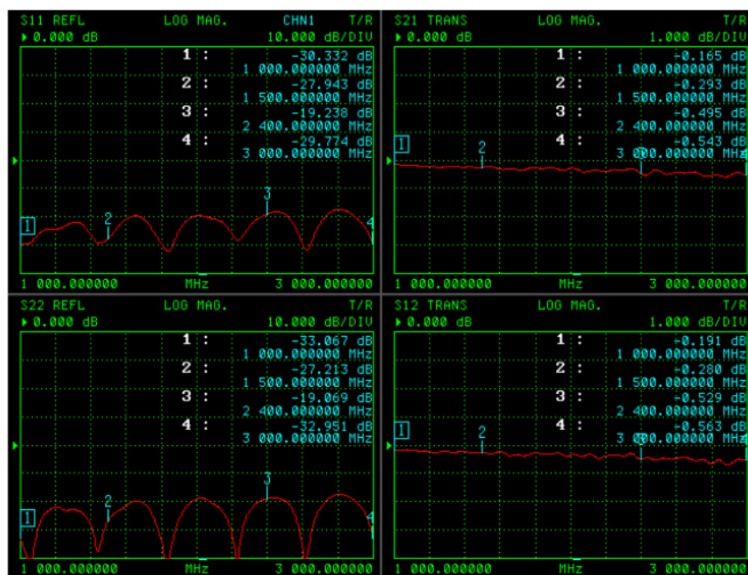
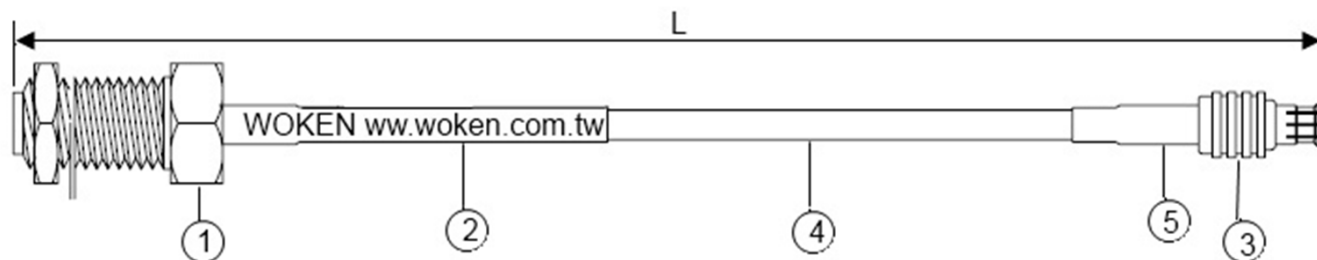
Body:Brass/Gold

4.Cable:

RG174 Coaxial Cable

5.Heat Shrink Tube:

Color:Black



General Tolerance				  Woken Technology Inc.	
0.5~10mm		±0.2			
11~100mm		±5.0		CODE	DWG TITLE
101~500mm		±10.0			SMA(F)-MCX(M) for
501~1000mm		±15.0		SIZE	RG174 Cable Assembly
1001~2000mm		±20.0		A4	DWG NO.
2000~5000mm		±50.0		REV	00100A2A2M2XXX
UNLESS OTHERWISE SPECIFIED				B	
THIRD ANGLE PROJECTION		DRAWN	Terence	08/03/10'	
		ENGR	Jack	08/03/10'	
		APVD	James	08/03/10'	