



Semi-Rigid .047 Cable Physical Characteristics

Center Conductor	0.29±0.02mm Silver Plated Copper Clad Steel Wire
Dielectric Diameter	0.95±0.05mm PTFE
Outer Shield	1.2±0.05mm TC
Min. Bending Radius Static	4.2mm

Semi-Rigid .047 Cable Electrical Characteristics

Impedance	50 ± 2ohms	
Capacitance	95 pF/m (nom.)	
Operating Frequency	20GHz	
Operating Temperature	-55~125°C	
Maximum Attenuation(dB/m) @ 	0.5GHz	0.79
	1GHz	1.13
	5GHz	2.59
	10GHz	3.74
	20GHz	5.44

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

Specifications:

Electrical:

Frequency:DC-6GHz

Material:

1.SMA Connector:

Center Pin:Beryllium Copper/Gold

Insulator:Teflon

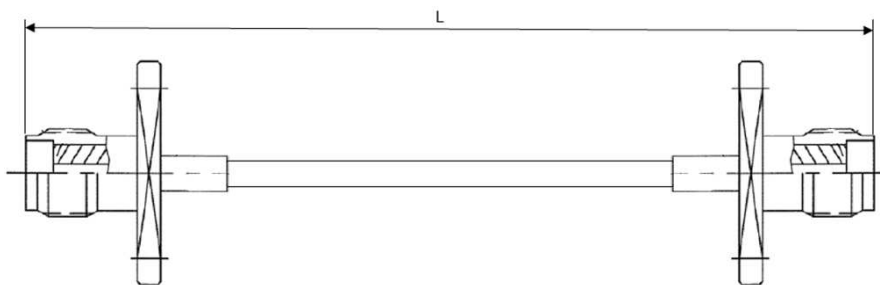
Body:Brass/Gold

2.Cable:

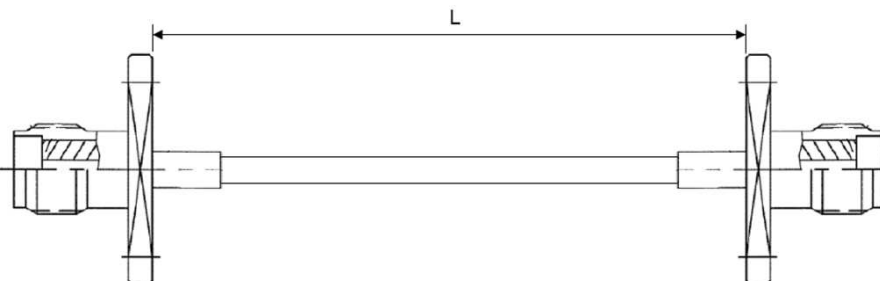
Semi-Rigid .047 Coaxial Cable



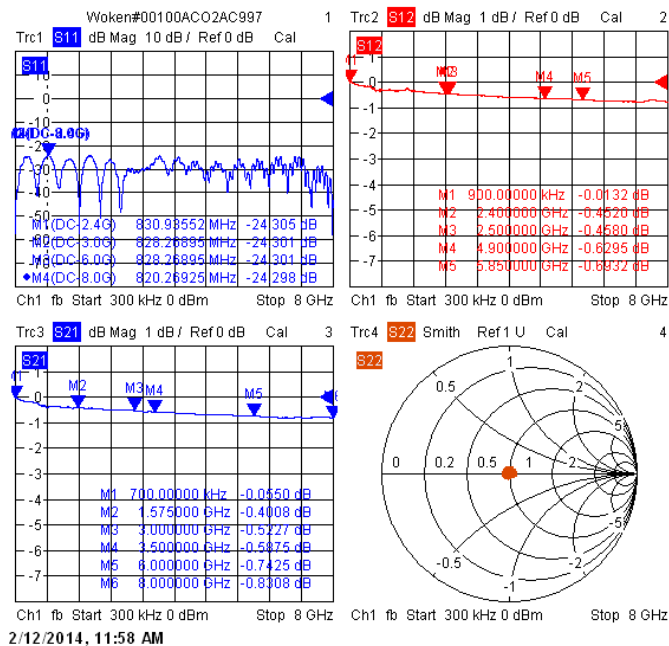
長度含接頭:



長度不含接頭:



20cm Test Report:



General Tolerance				  Woken Technology Inc.		
0.5~10mm		±0.2		CODE	DWG TITLE SMA(F) 2Hole-SMA(F)2Hole for Semi-Rigid .047 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 A4	DWG NO. 00100ACO2ACXXX	
THIRD ANGLE PROJECTION 		DRAWN	Terence			03/01/14'
		ENGR	Jack			03/01/14'
		APVD	James			03/01/14'