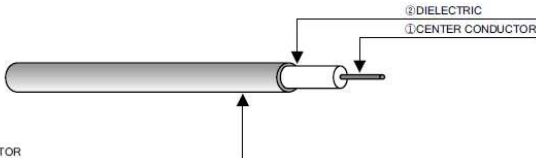




Semi-Rigid .034 Cable Physical Characteristics

Center Conductor	0.008±0.0005 inch SPCW
Dielectric Diameter	0.026±0.001inch PTFE
Outer Conductor	0.034+0.002/-0.001 inch Tinned Plated Copper
Min. Bending Radius	0.050 inch

Semi-Rigid .034 Cable Electrical Characteristics

Impedance	50 ± 1.5ohms		
Capacitance	29 pF/ft (nom.)		
Operating Temperature	-55~ 125℃		
Max. Operating Frequency	155GHz		
Structure	Frequency	Maximum Attenuation(dB/ft)	Average Power(W)
	0.5GHz	0.34	30.5
	1GHz	0.483	21.5
	5GHz	1.104	9.5
	10GHz	1.586	6.6
	20GHz	2.291	4.6

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:

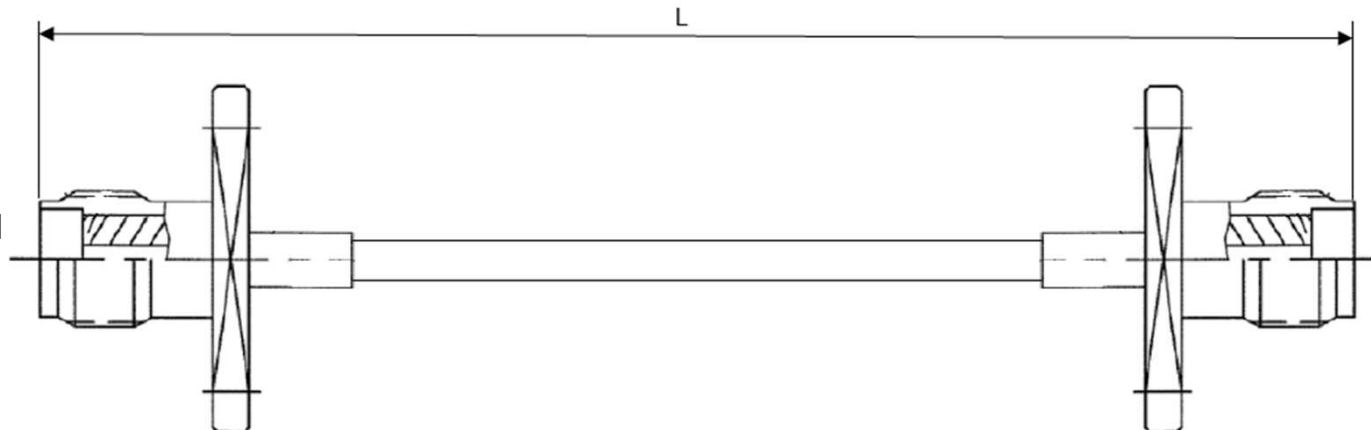
Center Pin:Beryllium Copper/Gold

Insulator:Teflon

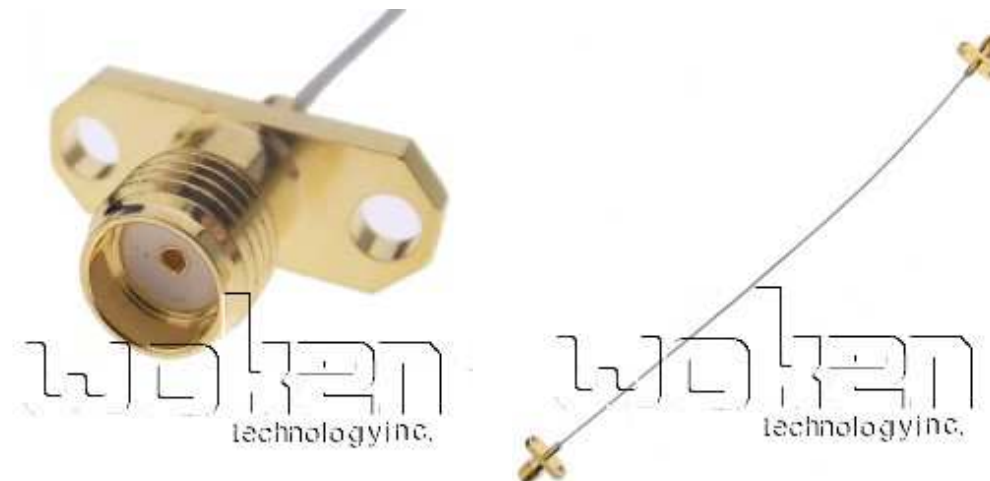
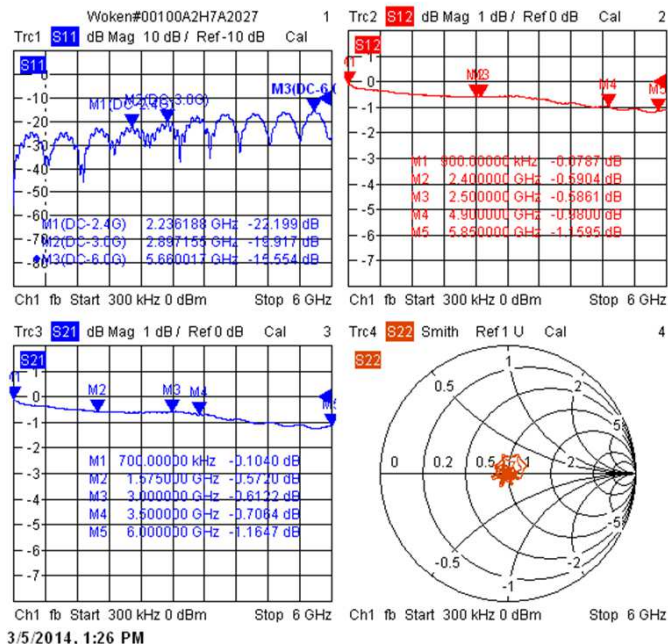
Body:Brass/Gold

2.Cable:

Semi-Rigid .034 Coaxial Cable



20cm Test Report:



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				
1001~2000mm		±20.0				
2000~5000mm		±50.0				
UNLESS OTHERWISE SPECIFIED				SIZE A4	20cm Semi-Rigid .034 Cable Assembly	
THIRD ANGLE PROJECTION						DWG NO.
		DRAWN	Terence	REV A	00100A2H7A2027	
		ENGR	Jack			
		APVD	James			