00100A8H5W3XXX

Cable Assembly

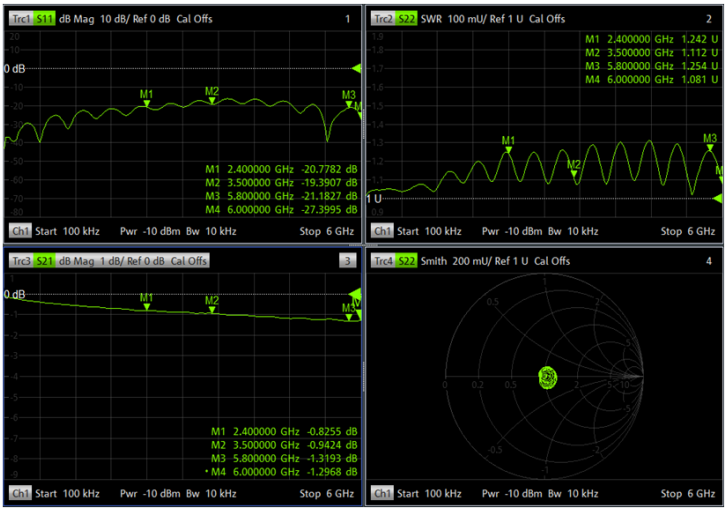
6GHz 8030-PCB SMA(F)R/A for Φ1.37mm Cable Assembly

Features

- High Repeatability
- Low VSWR

Test Report

23.5cm



Electrical Specifications

Frequency	DC-6GHz
VSWR	1.5:1(Max.)
Impedance	50Ohm
Connection 1	PCB SMA Female Right Angle
Connection 2	Murata Connector
Mating Connector	MM8030

Material

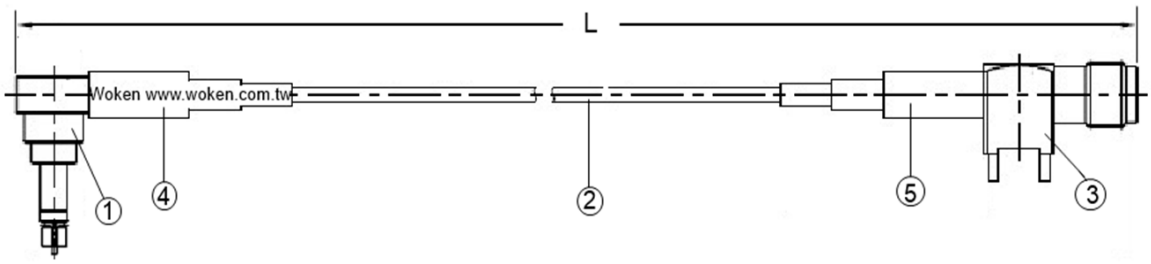
Part	Material	Plated
1.Murata Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
2.Cable		
Φ1.37mm Mini Coaxial Cable		Black
3.SMA Connector		
Body	Brass	Gold
Center Pin	Beryllium Copper	Gold
Insulator	Teflon	
4.Heat Shrink Tube		Yellow
5.Heat Shrink Tube		Black

Mechanical

Durability	500 Cycles

Outling Drawing (Unit:mm)

DIMENSIONS	TOLERANCES
0.5~10mm	±0.2
11~100mm	±5.0
101~500mm	±10.0
501~1000mm	±15.0
1001~2000mm	±20.0
2000~5000mm	±50.0

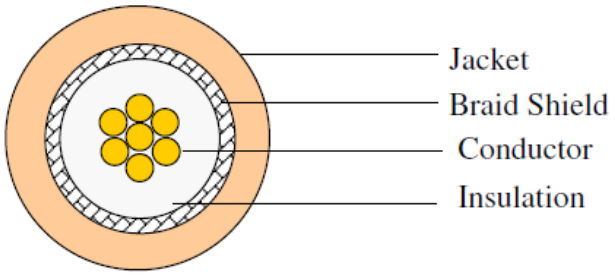


φ1.37mm Mini Coaxial Cable Physical Characteristics

Center Conductor	Construction Size	0.102±0.003mm
	Standard Diameter	0.31mm Silver Coated Copper
Insulation	Average Thickness	0.30mm
	Diameter	0.92±0.03mm FEP
Braid Shield	Construction	16/6/0.050 ±0.003 mm
	Coverage	95%
	Diameter	1.15±0.05mm Tinned Coated Copper
Jacket	Average Thickness	0.13mm
	Overall Diameter	1.37±0.05mm FEP(Black)
Min. Bending Radius		9mm

φ1.37mm Mini Coaxial Cable Electrical Characteristics

Impedance	50 ± 3ohms	
Operating Temperature	-60~+200℃	
Capacitance	96±3pF/m	
Conductor Resistance	335 ohms/KM at 20℃(max.)	
Operating Frequency	6GHz	
Velocity of propagation	69%	
Maximum Attenuation(dB/M) @	1.8GHz	2.20
	2.4GHz	2.60
	2.45GHz	2.60
	5.2GHz	3.90
	5.8GHz	4.30
	6GHz	4.30



整條 Assembly 之 Loss 為以下 3 項數值之加總

1. 接頭 Loss：0.06 x √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