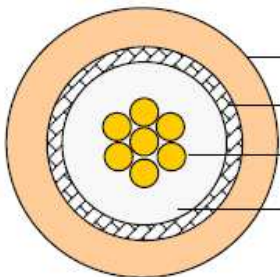




φ 1.13mm Mini Coaxial Cable Physical Characteristics

Center Conductor	Construction Size	0.08±0.003mm
	Standard Diameter	0.24mm Silver Coated Copper
Insulation	Average Thickness	0.22mm
	Diameter	0.68±0.02mm FEP
Braid Shield	Construction	16/4/0.050 ±0.003 mm
	Coverage	90%
	Diameter	0.9±0.02mm Tinned-Coated Copper
Jacket	Average Thickness	0.13mm
	Overall Diameter	1.13±0.05mm FEP(Gray)
Min. Bending Radius		6.8mm

φ 1.13mm Mini Coaxial Cable Electrical Characteristics

Impedance	50 ± 3ohms	
Capacitance	96±3pF/m	
Conductor Resistance	545 ohms/KM at 20°C (max.)	
Operating Frequency	6GHz	
Velocity of propagation	69%	
 Jacket Braid Shield Conductor Insulation	2GHz	2.8
	2.4GHz	3.1
	3GHz	3.5
	4GHz	4.0
	5GHz	4.6
	6GHz	5.1

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

Specifications:

Electrical:

Frequency:DC-6GHz

Material:

1.SMA Connector:

Center Pin:BeCu/Gold

Insulator:Teflon

Body:Brass/Gold

2.Heat Shrink Tube:

Color:Black

Length:10mm

3.Cable:

Ø 1.13mm Mini Coaxial Cable

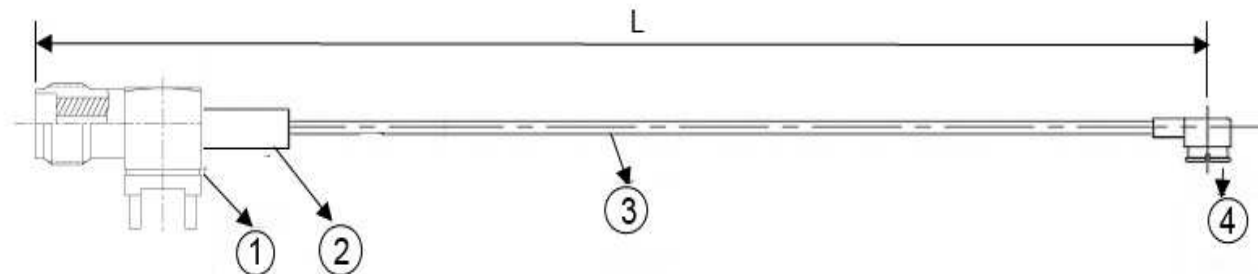
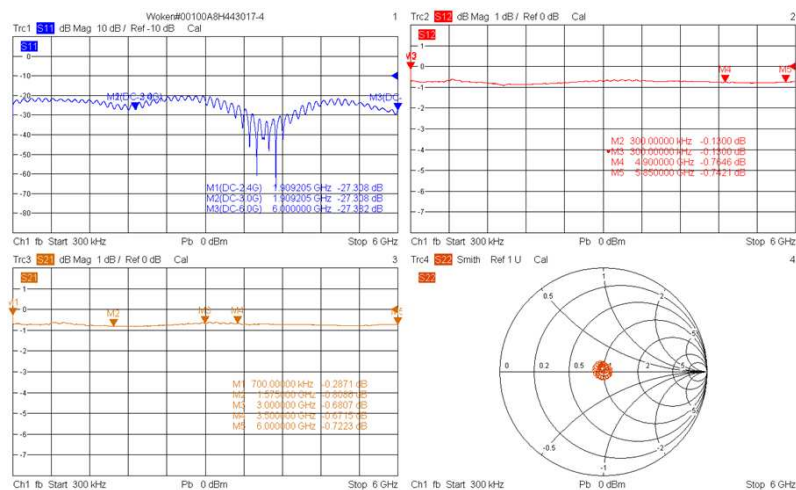
4.I-PEX Connector:

Contact:Copper Alloy /Gold

Housing:PBT

GND Contact:Copper Alloy/Gold

5cm Test Report:



General Tolerance				 Woken Technology Inc.	
0.5~10mm		±0.2		CODE	DWG TITLE
11~100mm		±5.0			
101~500mm		±10.0		SIZE	6GHz IPEX-I (M)-PCB SMA(F)R/A for
501~1000mm		±15.0			
1001~2000mm		±20.0		REV	5cm Ø1.13mm Cable Assembly/熱縮套管:10mm
2000~5000mm		±50.0			
UNLESS OTHERWISE SPECIFIED				A4	DWG NO.
THIRD ANGLE PROJECTION		DRAWN	Terence		
		ENGR	Jack		
		APVD	James	A	00100A8H443017