



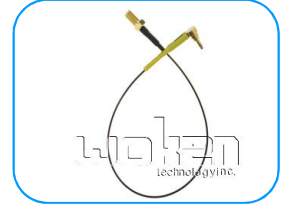
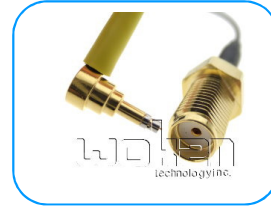
00100A2H5W3XXX

Cable Assembly

8GHz 8030--SMA(F) for $\Phi 1.37\text{mm}$ Cable Assembly

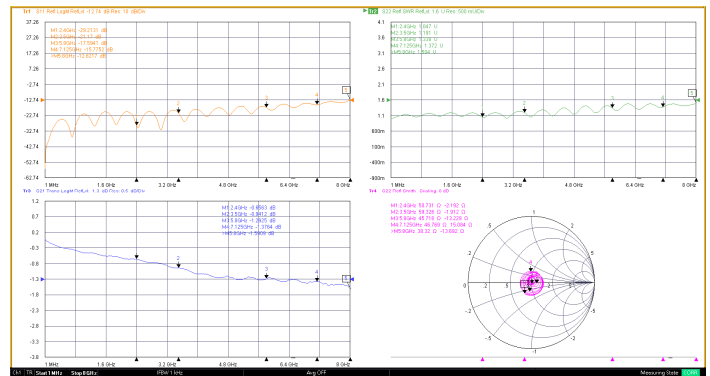
Features

- High Repeatability
- Low VSWR



Test Report

30cm:



Electrical Specifications

Frequency	DC-8GHz
VSWR	1.6:1(Max.)@DC-6GHz 1.7:1(Max.)@6-8GHz(TDR量測)
Impedance	50Ohm
Connection 1	SMA Female
Connection 2	8030

Material

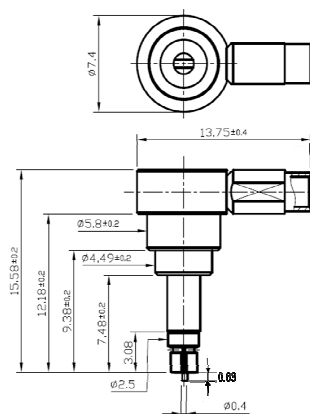
Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Phosphor Bronze	Gold
Insulator	Teflon	
2.Cable		
$\Phi 1.37\text{mm}$ Mini Coaxial Cable		Black
3.8030 Connector		
Body	Brass/Beryllium Copper	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
4.Heat Shrink Tube		Yellow
5.Heat Shrink Tube		Black

Mechanical

Durability	SMA:500 Cycles 8030:1,000Cycles
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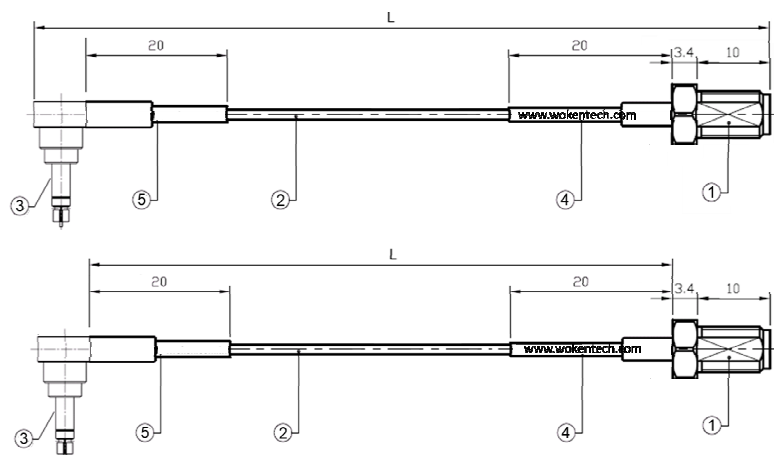
Outing Drawing (Unit:mm)

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



L:NC

Note:L:10cm以下,Item 4將不使用



All Specification Changed Without Notification.



Wake up your further dream.



φ 1.37mm Mini Coaxial Cable Physical Characteristics

Center Conductor	Construction Size	7/0.102mm
	Standard Diameter	0.306± 0.02mm Silver Coated Copper
Insulation	Diameter	0.9±0.03mm FEP
Braid Shield	Construction	16/5/0.050 mm
	Coverage	90±5%
	Diameter	1.13±0.05mm Tinned Coated Copper
Jacket	Overall Diameter	1.37±0.05mm FEP(Black)
Min. Bending Radius		5mm

φ 1.37mm Mini Coaxial Cable Electrical Characteristics

Impedance	50 ± 2ohms	
Operating Temperature	-55~+125℃	
Capacitance	96±4pF/m	
Operating Frequency	10GHz	
Velocity of propagation	70±2%	
VSWR	1.3@0-6GHz,1.4:1@6-8GHz,1.5:1@8-10GHz	
 Maximum Attenuation(dB/M) @	1GHz	1.7
	2GHz	2.5
	3GHz	3.0
	4GHz	3.5
	5GHz	4.0
	6GHz	4.5
	7GHz	5.0
	8GHz	5.4
	9GHz	5.8
	10GHz	6.3

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)(I-PEX ,Murata Connector 不適用此公式)
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