



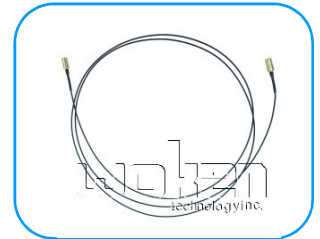
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Cable Assembly

4GHz SMB(P)–SMB(P) for Ø1.37mm Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



Electrical Specifications

Frequency	DC-4GHz
VSWR	1.5:1(Max.)
Impedance	50Ohm
Connection 1	SMB Plug
Connection 2	SMB Plug

Material

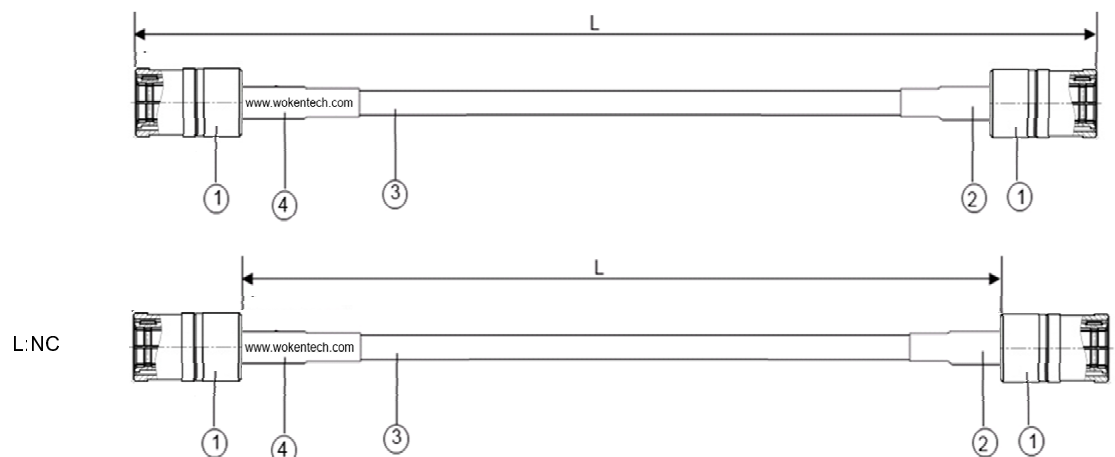
Part	Material	Plated
1.SMB Connector		
Body	Brass	Gold
Center Pin	Beryllium Copper	Gold
Insulator	Teflon	
2.Adhesive shrink tube		Black
3.Cable		
Φ1.37mm Mini Coaxial Cable		Black
4. Heat Shrink Tube		Yellow

Mechanical

Durability	500 Cycles
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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



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