



0010043H646XXX

Cable Assembly

6GHz IPEX-I (M)-IPEX-4L (M) for
Φ1.37mm Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



Test Report

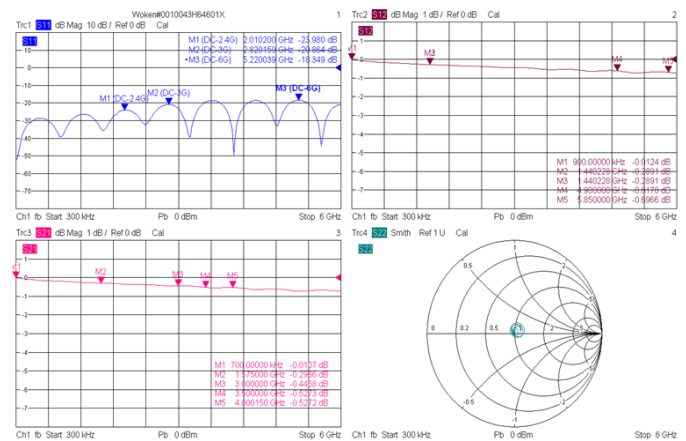
12cm:

Electrical Specifications

Frequency	DC-6GHz
VSWR	1.3:1(Max.)
Impedance	50Ohm
Connection 1	MHF Plug
Connection 2	MHF 4L Plug

Material

Part	Material	Plated
1.MHF Connector		
Contact	Copper Alloy	Gold
Housing	PBT	
GND Contact	Copper Alloy	Gold
2.Cable		
Φ1.37mm Mini Coaxial Cable		Black
3.MHF 4L Connector		
Contact	Copper Alloy	Gold
Housing	PBT	
GND Contact	Copper Alloy	Gold



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





Wake up your further dream.



φ 1.37mm Mini Coaxial Cable Physical Characteristics

Center Conductor	Standard Diameter	0.306±0.02mm Tin Copper Wire
Insulation	Diameter	0.9±0.03mm FEP
Outer Conductor	Coverage	90±5%
	Diameter	1.13±0.05mm Tinned Copper Wire
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~+150°C	
Capacitance	96pF/m	
Operating Frequency	6GHz	
Velocity of propagation	70%	
Maximum Attenuation(dB/M) @	1GHz	1.82
	2GHz	2.67
	3GHz	3.21
	4GHz	3.74
	5GHz	4.27
	6GHz	4.80



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