



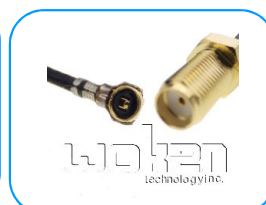
00100A2H347XXX

Cable Assembly

9GHz IPEX-4L (M)-SMA(F) for Φ0.81mm Cable Assembly

Features

- High Repeatability
- Low VSWR



Test Report

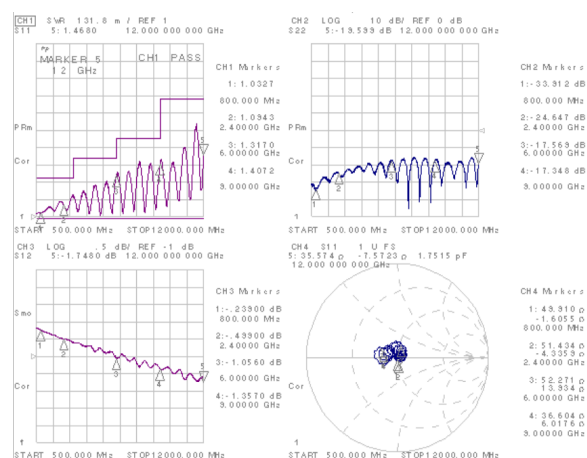
15cm

Electrical Specifications

Frequency	DC-9GHz
VSWR	1.3:1(Max.)@DC-3GHz 1.45:1(Max.)@3-6GHz 1.6:1(Max.)@6-9GHz
Impedance	50Ohm
Connection 1	SMA Female
Connection 2	MHF 4L Plug(20572-001R-081)
Mating Connector	20449

Material

Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Phosphor Bronze	Gold
Insulator	Teflon	
2.Heat Shrink Tube		Yellow
3.Cable		
Φ0.81mm Mini Coaxial Cable		Black/Gray/White
4.I-PEX Connector		
GND Contact	Phosphor Bronze	All over Ni 1.00μm Min. Contact part Au 0.05μm Min. [Ni Plating Area] Ni Only
Housing	PBT	UL94V-0,Black
Contact	Phosphor Bronze	All over Ni 1.00μm Min. Contact part Au 0.10μm Min.

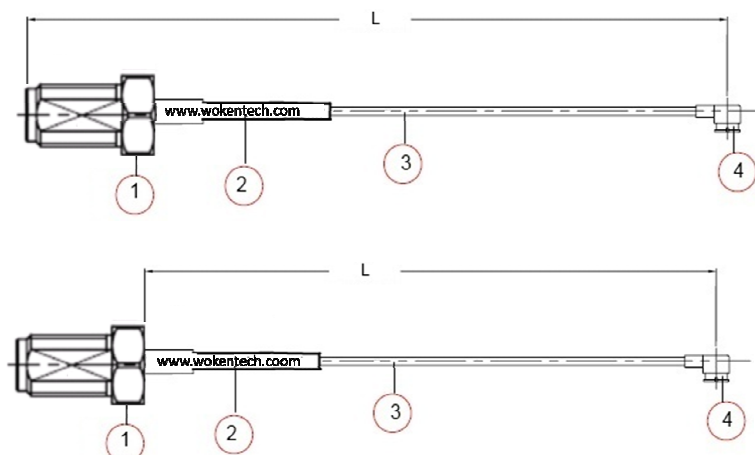


Mechanical

Durability	500 Cycles
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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



All Specification Changed Without Notification.



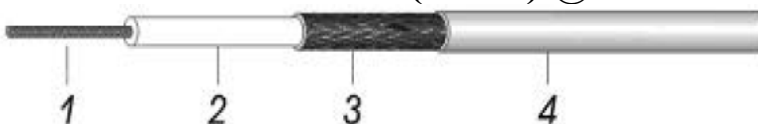
Wake up your further dream.



10GHz ϕ 0.81mm Flexible Coaxial Cable Physical Characteristics

Center Conductor	Construction Size	7/0.05mm
	Stranded Diameter	0.15 $\pm$ 0.01mm Silver Plated Copper
Insulation	Diameter	0.41 $\pm$ 0.02 mm FEP
Braid Shield	Construction	8/5/0.05 mm
	Coverage	90%
	Diameter	0.60 $\pm$ 0.05mm Tinned Plated Copper
Jacket	Overall Diameter	0.81 $\pm$ 0.05mm FEP(Black/Gray/White)
Minimum Bend Radius Static		4mm

10GHz ϕ 0.81mm Flexible Coaxial Cable Electrical Characteristics

Impedance	50 $\pm$ 2ohms	
Capacitance	98 pf/m	
Velocity	70%	
Operating Temperature	-55~+125°C	
Max. Operating Frequency	10GHz	
Maximum Attenuation(dB/M) @ 	1GHz	3.1
	2GHz	4.7
	3GHz	5.8
	4GHz	6.9
	5GHz	7.8
	6GHz	8.5
	7GHz	9.8
	8GHz	10.6
	9GHz	11.5
	10GHz	12.2

整條 Assembly 之 Loss 為以下 3 項數值之加總

1. 接頭 Loss : 0.06 x $\sqrt{\text{頻率}}$ (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