



00100A1A9X3XXX

Cable Assembly

6GHz SMA(M)–MMCX(P)R/A for A09 Cable Assembly

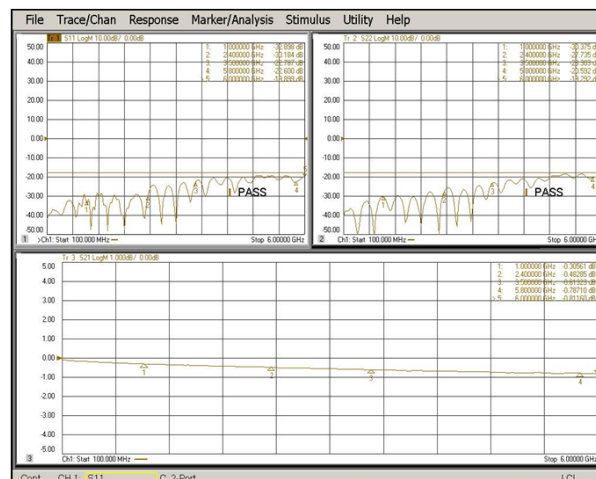
Features

- ✓ High Repeatability
- ✓ Low VSWR



Test Report

30cm:



Electrical Specifications

Frequency	DC-6GHz
VSWR	1.3:1(Max.)
Impedance	50Ohm
Connection 1	SMA Male
Connection 2	MMCX Plug Right Angle

Material

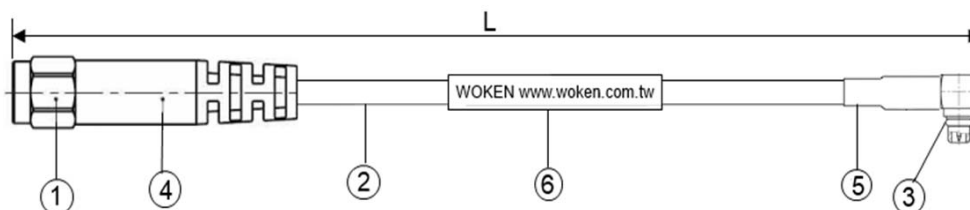
Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
2.Cable		
A09 Coaxial Cable		Black
3.MMCX Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
4.Sleeve		Black
5.Heat Shrink Tube		Black
6.Heat Shrink Tube		Yellow

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





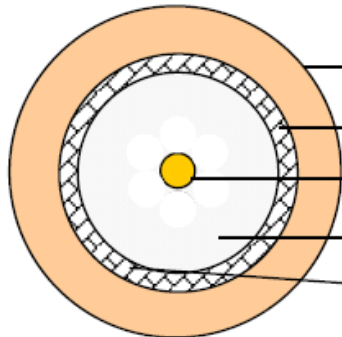
Wake up your further dream.



A09 Low Loss Cable Physical Characteristics

Center Conductor	Construction	0.46±0.009mm
	Conductors No.	1
	Material	OFC
Insulation	Average Thickness	0.52mm
	Diameter	1.5±0.05mm
	Material	PE
Tape	Material	Aluminum Tinsel 0.05*6.0mm
Braid Shield	Construction	16/5/0.1 mm
	Coverage	94%
	Diameter	2.11 mm
	Material	TC
Jacket	Average Thickness	0.32mm
	Overall Diameter	2.75±0.1mm
	Material	PVC(Black)
Minimum Bend Radius	16.5mm	
Operating Temp.	-20~+80℃	

A09 Low Loss Cable Electrical Characteristics

Impedance	50 ± 3ohms	
Maximum Attenuation(dB/1.1M) @	Freq.	Att.
	1GHz	0.7
	2GHz	1.12
	3GHz	1.42
	4GHz	1.67
	5GHz	2.0
	6GHz	2.1

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