Rev:A

00100A3F6A3XXX

Cable Assembly

6GHz SMA(M)R/A-SMA(M)R/A for SFL402 Cable Assembly

Features

- High Repeatability
- Low VSWR

Electrical Specifications

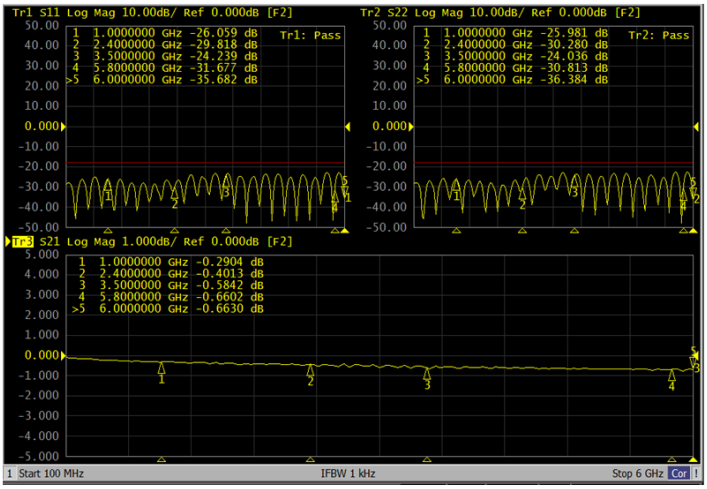
Frequency	DC-6GHz
Impedance	50Ohm
VSWR	1.3:1(Max.)
Connection 1	SMA Male R/A
Connection 2	SMA Male R/A

Material

Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
2.Heat Shrink Tube		Black
3.Cable		
SFL402 Coaxial Cable		Blue
4.Heat Shrink Tube		Yellow

Test Report

40cm

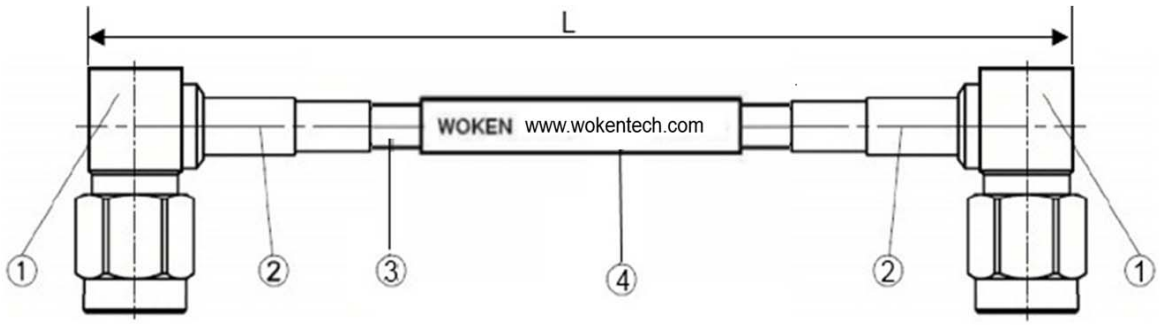


Mechanical

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

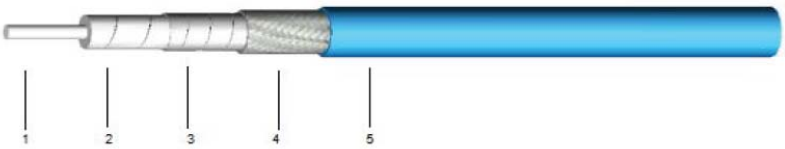


SFL402 Physical Characteristics

Center Conductor	19 X 0.203±0.01mm SSPC
Dielectric Diameter	2.99±0.05 mm PTFE
Outer Conductor	3.20±0.10mm Silver Plated Copper Foil
Outer Shield	3.65±0.05 mm Silver Plated Copper Shield 98% Coverage
Jacket	4.60±0.10 mm Blue PUR
Minimum Bend Radius	12.7mm

SFL402 Electrical Characteristics

Impedance	50 ohms	
Capacitance	96.1 pF/m(nom.)	
Operating Temperature	-55~ 85℃	
Velocity of propagation	70%	
Shielding Effectiveness	100dB Min.	
Max. Operating Frequency	40GHz	
Maximum Attenuation(dB/M) @	Freq.	Max.
	0.5GHz	0.38
	1GHz	0.50
	3GHz	0.90
	6GHz	1.22
	8GHz	1.38
	10GHz	1.69
	12GHz	1.95
	18GHz	2.23
	26.5GHz	3.14
	35GHz	3.77
	40GHz	4.29



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
4. 晃動測試公差: I/L +/-0.2dB