Rev:A

00100AAF200XXX

Cable Assembly

SMA(F) 4Hole-客製剝線 for Semi-rigid RG402 Cable Assembly





Features

- High Repeatability
- Low VSWR

Electrical Specifications

Impedance	50Ohm
Connection 1	SMA Female 4Hole
Connection 2	Stripped

Material

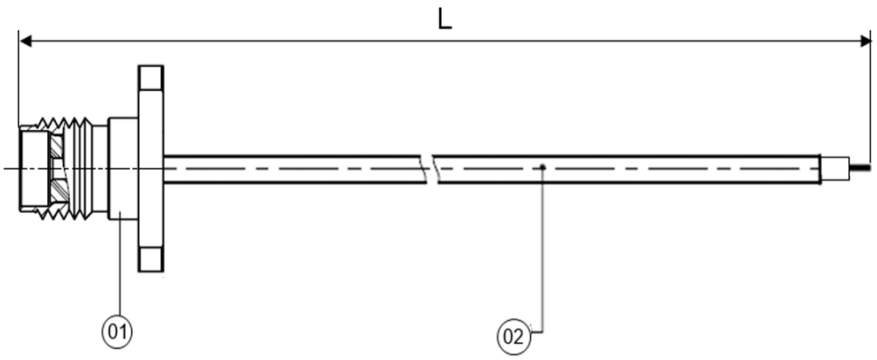
Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Phosphor Bronze	Gold
Insulator	Teflon	
2.Cable		
Semi-rigid RG402 Coaxial Cable		Silver

Mechanical

Durability	500 Cycles

Outling Drawing (Unit:mm)

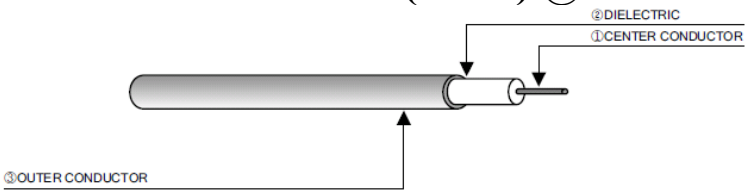
DIMENSIONS	TOLERANCES
0.5~10mm	±0.2
11~100mm	±5.0
101~500mm	±10.0
501~1000mm	±15.0
1001~2000mm	±20.0
2000~5000mm	±50.0



Semi-Rigid .047 Cable Physical Characteristics

Center Conductor	0.29mm SPCW
Dielectric Diameter	0.94±0.05mm PTFE
Outer Shield	1.19±0.10mm Tin Plated Copper Tube
Min. Bending Radius Static	3.0mm

Semi-Rigid .047 Cable Electrical Characteristics

Impedance	50 ± 2ohms	
Capacitance	94 pF/m (nom.)	
Operating Frequency	20GHz	
Shielding Effect	100 dB(Min.)	
Operating Temperature	-40~100℃	
Maximum Attenuation(dB/m) @ 	1GHz	1.06
	5GHz	2.45
	10GHz	3.55
	15GHz	4.42
	20GHz	5.17

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