



00109A1P3A1XXX

Cable Assembly

18GHz SMA(M)–SMA (M) for P3 Flexible Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR

Electrical Specifications

Frequency	DC-18GHz
VSWR	1.3:1(Max.)
Impedance	50Ohm
Connection 1	SMA Male
Connection 2	SMA Male

Material

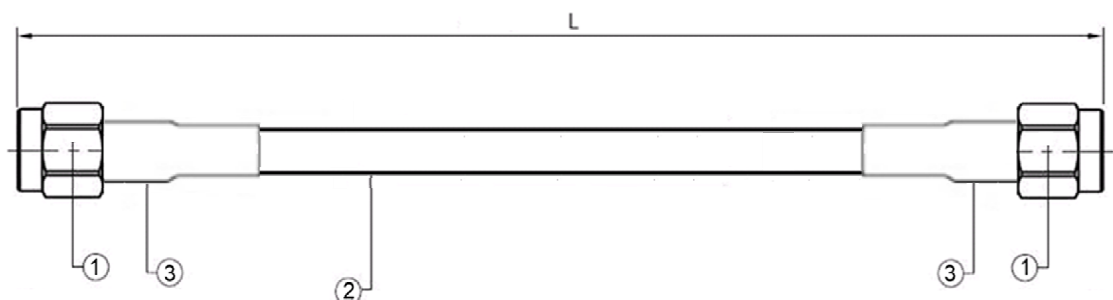
Part	Material	Plated
1.SMA Connector		
Body	Stainless Steel	Passivated
Center Pin	Brass	Gold
Insulator	PTFE	
2.Cable		
P3 Coaxial Cable		Blue
3.Adhesive shrink tube		
		Black

Mechanical

Durability	500 Cycles
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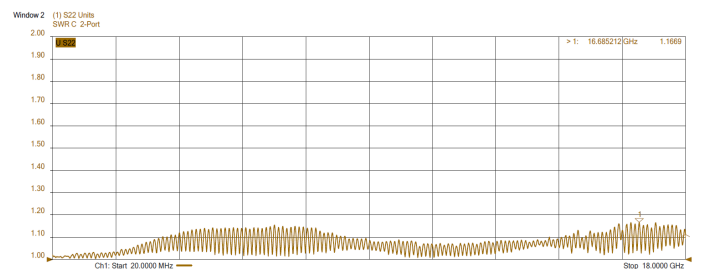
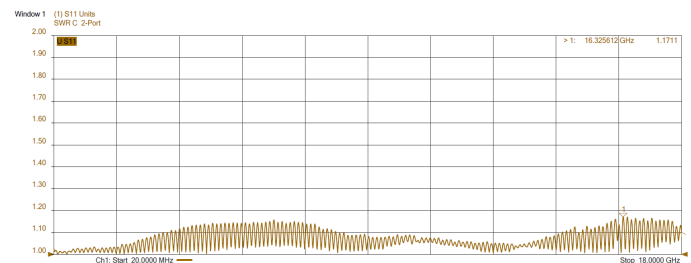
Outling Drawing (Unit:mm)

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



Test Report

100cm





Wake up your further dream.



φ 6.35mm Flexible Low Loss Coaxial Cable Physical Characteristics

Center Conductor	1.57mm SPC
Dielectric Diameter	4.72mm LDPTFE
Inner Shield	4.96mm SPCS
Inter Layer	5.10mm Aluminum Laminate
Outer Shield	5.66mm SPC
Jacket	6.35mm FEP
Minimum Bend Radius Static	25.4mm
Minimum Bend Radius Dynamic	63.5mm

φ 6.35mm Flexible Low Loss Coaxial Cable Electrical Characteristics

Impedance	50ohms		
Cutoff Frequency	27GHz		
Working Frequency	18GHz		
Shielding Effect	100 dB(Min.)		
Operating Temperature	-55~ 200℃		
Velocity of propagation	76%		
Weight	0.085kg/m		
	Frequency	Typical Attenuation(dB/m)	Average Power(W)
	0.5GHz	0.16	1454
	1GHz	0.22	1020
	3GHz	0.39	578
	6GHz	0.56	401
	10GHz	0.74	305
	12.4GHz	0.83	271
	18GHz	1.02	221

整條 Assembly 之 Loss 為以下 3 項數值之加總

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