



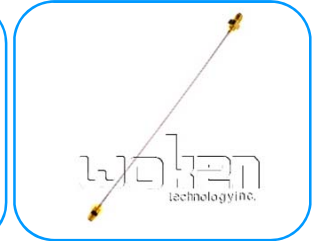
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Cable Assembly

6GHz SMA(F)–SMA(F) for $\Phi.034$ Semi-Rigid Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



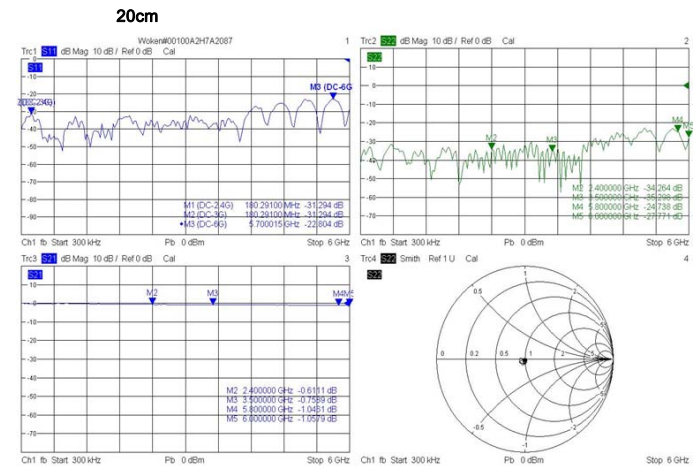
Electrical Specifications

Frequency	DC-6GHz
VSWR	1.3:1(Max.)
Impedance	50Ohm
Connection 1	SMA Female
Connection 2	SMA Female

Material

Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Beryllium Copper	Gold
Insulator	Teflon	
2.Cable		
Semi-rigid .034 Coaxial Cable		Silver

Test Report



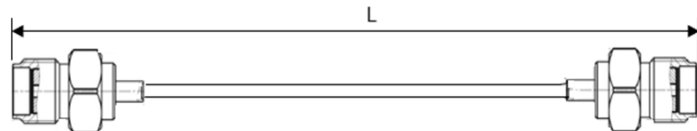
Mechanical

Durability	500 Cycles
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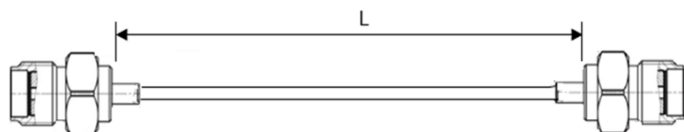
Outling Drawing (Unit:mm)

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

長度含接頭:



長度不含接頭:



All Specification Changed Without Notification.



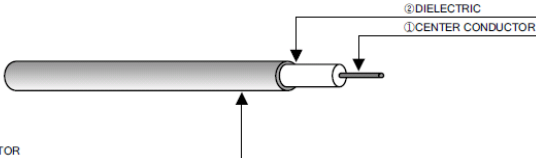
Wake up your further dream.



Semi-Rigid .034 Cable Physical Characteristics

Center Conductor	0.203mm SPCW
Dielectric Diameter	0.67+0.04/-0.02mm PTFE
Outer Conductor	0.99±0.10mm Tinned Plated Copper Tube
Min. Bending Radius	3mm

Semi-Rigid .034 Cable Electrical Characteristics

Impedance	50 ± 2ohms		
Capacitance	94 pF/m		
Max. Operating Frequency	20GHz		
Voltage Withstanding	2000V		
Shielding Effect	100 dB(Min.)		
Max. Operating Temperature	100°C		
Structure	Frequency	Maximum Attenuation(dB/m)	Average Power(W)
	1GHz	1.5	11
	5GHz	3.43	4.8
	10GHz	4.93	3.4
	15GHz	6.11	2.7
	20GHz	7.13	2.3

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