



00100A1B8A1XXX

Cable Assembly

5.8GHz SMA(M)–SMA(M) for CFD200 Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



Electrical Specifications

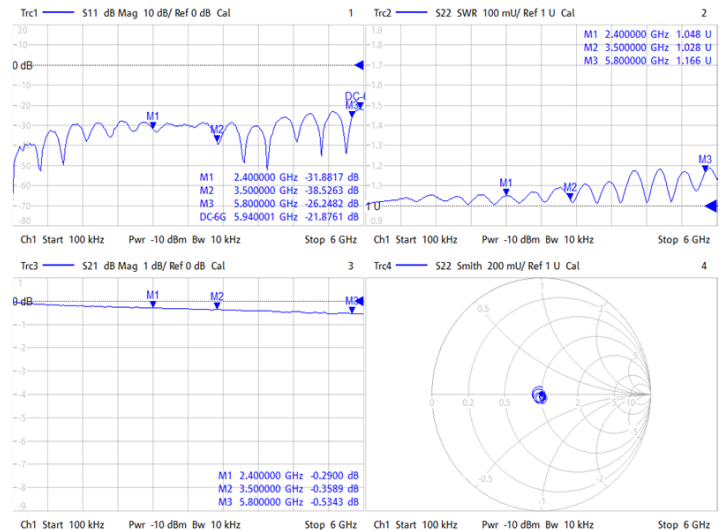
Frequency	DC-5.8GHz
VSWR	1.3:1(Max.)
Impedance	50Ohm
Connection 1	SMA Male
Connection 2	SMA Male

Material

Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
2.Heat Shrink Tube		Black
3.Cable		
CFD200 Coaxial Cable		Black
4.Heat Shrink Tube		Yellow

Test Report

30cm:

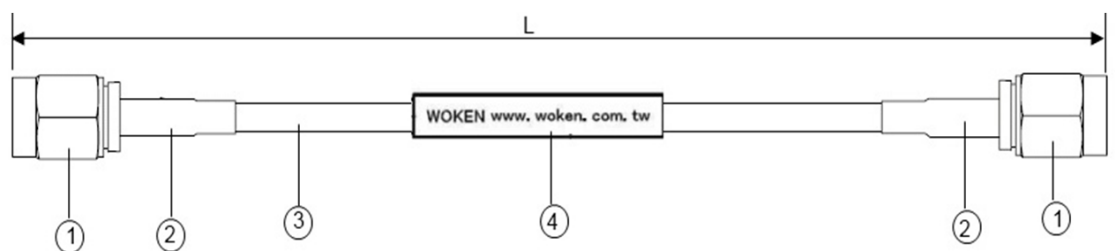


Mechanical

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





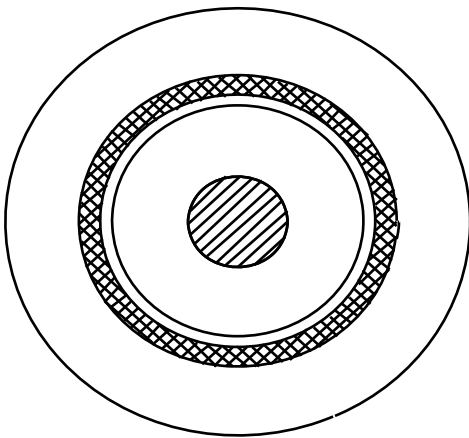
Wake up your further dream.



CFD200 Physical Characteristics

Center Conductor	1.12mm(bare copper solid)
PEF Dielectric Diameter	2.95mm
Binder	Sealed Aluminum Mylar Aluminum Tape
Braid Shield	Tinned Copper Wire Coverage: 88% ↑
Jacket	PVC
Overall Diameter	5mm
Minimum Bend Radius	12.7mm

CFD200 Electrical Characteristics

Impedance	50 ± 2ohms		
Capacitance	24.5 pf/ft		
Velocity of Propagation	83%		
Maximum Attenuation(dB/100M) & Average Handling Power 	Freq.	Attenuation(dB/100M)	Power(KW)
	30MHz	5.8	1.02
	150MHz	13.1	0.45
	450MHz	22.8	0.26
	900MHz	32.6	0.18
	1500MHz	42.4	0.14
	2GHz	49.3	0.12
	2.5GHz	55.4	0.11
	5.8GHz	86.5	0.07

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