



00100A1G4A3XXX

Cable Assembly

6GHz SMA(M)–SMA(M)R/A for Semi-Flex RG405 Jacket Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



Test Report

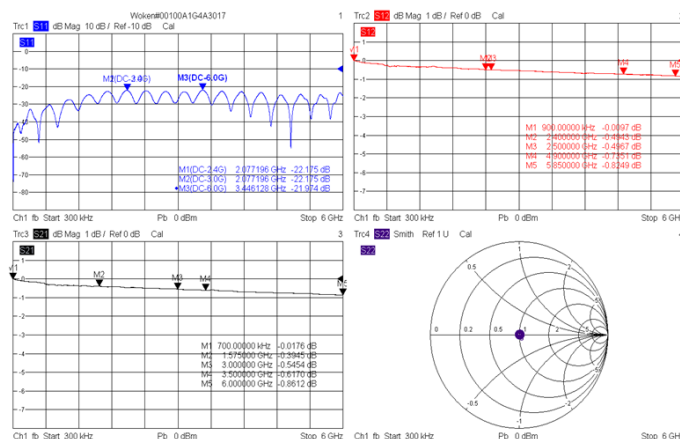
30cm:

Electrical Specifications

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

Material

Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
2.Heat Shrink		Black
3.Cable		
Semi-Flex RG405 Jacket Coaxial Cable		Blue
4.Heat Shrink		Yellow
5.SMA Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	

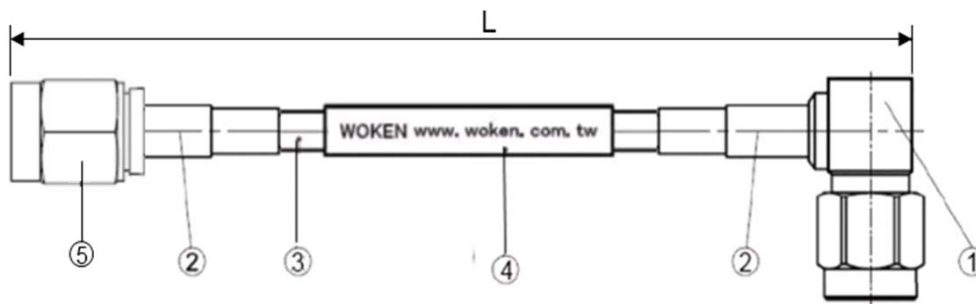


Mechanical

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





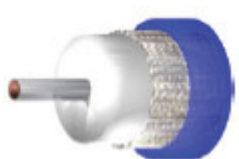
Wake up your further dream.



Semi-Flex RG405 with Jacket Cable Physical Characteristics

Center Conductor	0.54±0.01mm SPC
Dielectric Diameter	1.68±0.05mm PTFE
Outer Shield	2.15±0.05mm TPC
Jacket	2.5±0.1mm FEP
Min. Bending Radius Static	6mm
Min. Bending Radius Repeated	25mm

Semi-Flex RG405 with Jacket Cable Electrical Characteristics

Impedance	50 ± 2ohms		
Capacitance	94 pF/m (nom.)		
Operating Temperature	-55~ 125°C		
Shielding Effect	<-110 dB @DC-18GHz		
Outer Shield Coverage Ratio	100%		
Velocity of propagation	70%		
Max. Operating Frequency	18GHz		
Structure	Frequency	Maximum Attenuation(dB/m)	Average Power(W)
	0.4GHz	0.43	253
	1GHz	0.70	157
	2GHz	1.02	110
	5GHz	1.72	69
	10GHz	2.49	47
	18GHz	3.46	33

整條 Assembly 之 Loss 為以下 3 項數值之加總

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