



00100A1G3A3XXX

Cable Assembly

6GHz SMA(M)–SMA(M)R/A for SS405 Cable Assembly

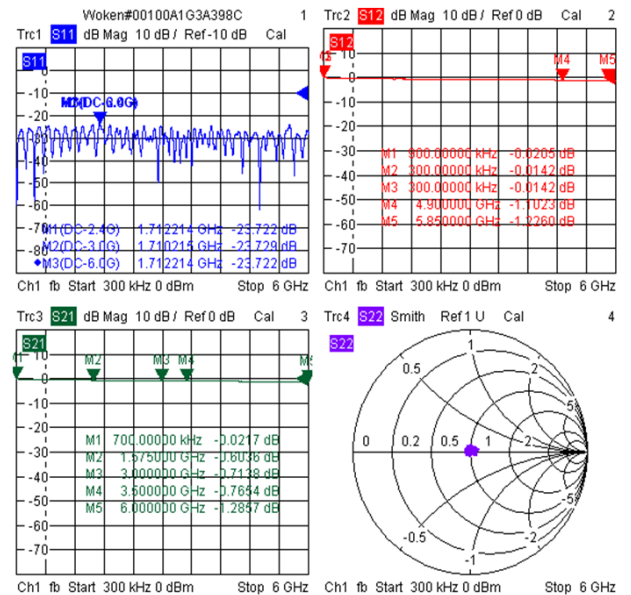
Features

- ✓ High Repeatability
- ✓ Low VSWR



Test Report

60cm



Electrical Specifications

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

Material

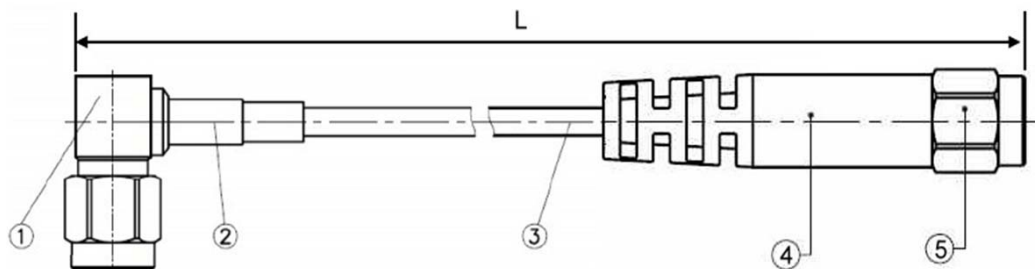
Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
2.Heat Shrink Tube		
		Black
3.Cable		
SS405 Coaxial Cable		Blue
4.Sleeve		
		Black
3.SMA Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	

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





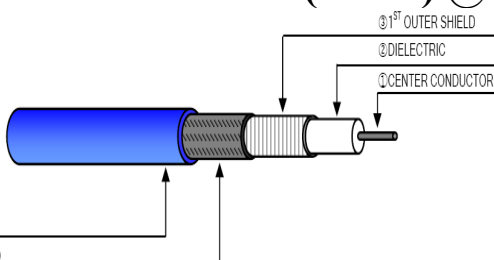
Wake up your further dream.



SS405 Spiral Shielding Coaxial Cable Physical Characteristics

Center Conductor	0.51±0.07mm SPCW
Dielectric Diameter	1.63±0.02mm PTFE
1 st Outer Shield	1.78±0.02mm SCT
2 nd Outer Shield	2.16±0.02mm SPC
Jacket	2.68±0.12mm FEP
Minimum Bend Radius	0.5"

SS405 Spiral Shielding Coaxial Cable Electrical Characteristics

Impedance	50 ± 2ohms	
Capacitance	95.1 pF/m (29.0 pF/FT)(nom.)	
Conductor Resistance	64.3ohms/MFT at 20°C (max.)	
Operating Frequency	18GHz	
Operating Temperature	-55~ 165°C	
Shielding Effect	<-100 dB	
Velocity of propagation	70%	
Weight	19.4kg/km	
Maximum Attenuation(dB/M) @ 	0.5GHz	0.39
	1GHz	0.72
	5GHz	1.67
	10GHz	2.52
	18GHz	3.60

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