



00100A1B3N1XXX

Cable Assembly

6GHz N(M)–SMA(M) for RG400 Cable Assembly

Features

- ✓ High Repeatability
- ✓ Low VSWR



Electrical Specifications

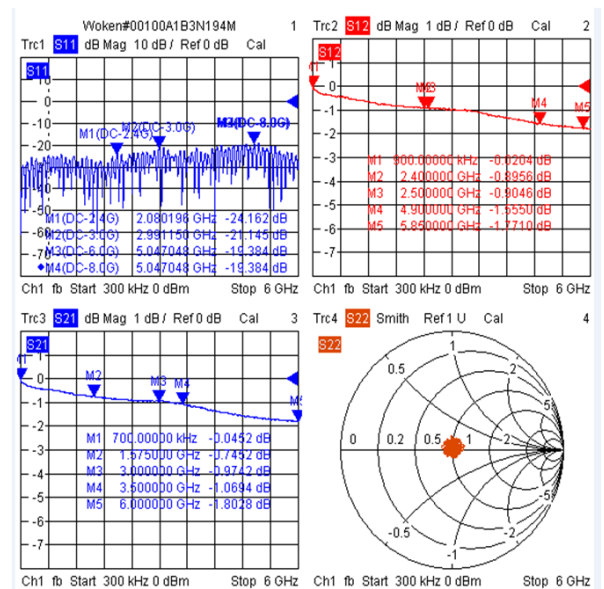
Frequency	DC-6GHz
VSWR	1.3:1(Max.)
Impedance	50Ohm
Connection 1	SMA Male
Connection 2	N Male

Material

Part	Material	Plated
1.SMA Connector		
Body	Brass	Gold
Center Pin	Brass	Gold
Insulator	Teflon	
2.Cable		
RG400 Coaxial Cable		Silver White
3.N Connector		
Body	Brass	Nickel
Center Pin	Brass	Gold
Insulator	Teflon	
4.Heat Shrink Tube		Yellow
5.Rigid Strain Relief		Black

Test Report

120cm

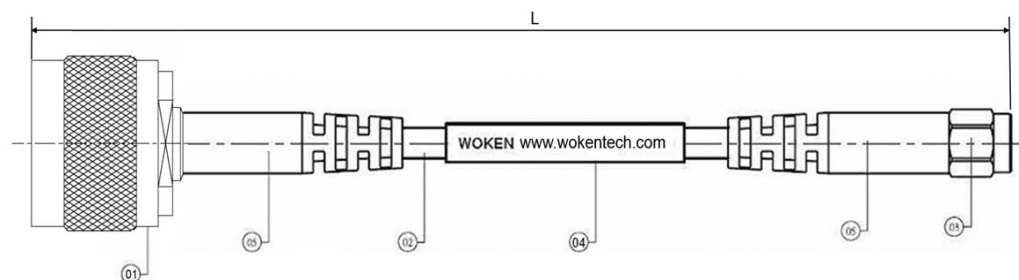


Mechanical

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





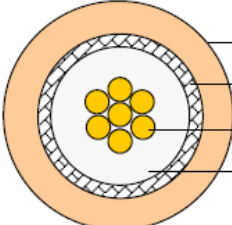
Wake up your further dream.



RG400 Cable Physical Characteristics

Center Conductor	19*0.023mm Solid Silver Plated Copper
Dielectric Diameter	2.98±0.05mm PTFE
1 st Braid Shield	3.45±0.05mm Silver Plated Copper Wire Braid
2nd Braid Shield	3.95±0.05mm Silver Plated Copper Wire Braid
Jacket	4.95±0.05mm FEP
Min. Bending Radius	30mm

RG400 Cable Electrical Characteristics

Max. Operating Frequency	12.4GHz		
Impedance	50 ohms		
Capacitance	105 pF/m (nom.)		
Shielding Effectiveness	75dB(Min.)		
Operating Temperature	-65~150°C		
Velocity of propagation	70%		
Maximum Attenuation(dB/m) @  Jacket/外被 Braid Shield*2/編織遮罩層*2 Conductor/導體 Insulation/絕緣層	Freq.	Attenuation (dB/M)	Power (Watts)
	1GHz	0.52	660
	2.4GHz	0.83	380
	3GHz	0.94	330
	5GHz	1.22	260
	6GHz	1.34	220
	8GHz	1.68	195
	10GHz	1.84	172
	12GHz	2.02	156
	12.4GHz	2.15	150

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