



RG174 Physical Characteristics

Center Conductor	0.48 mm(bare annealed copper)
XLPE Dielectric Diameter	1.45 mm
Shield	SPC
Jacket	PVC
Overall Diameter	2.7mm
Operating Temperature	-40~ +80°C
Weight	9.0 lbs./MFT

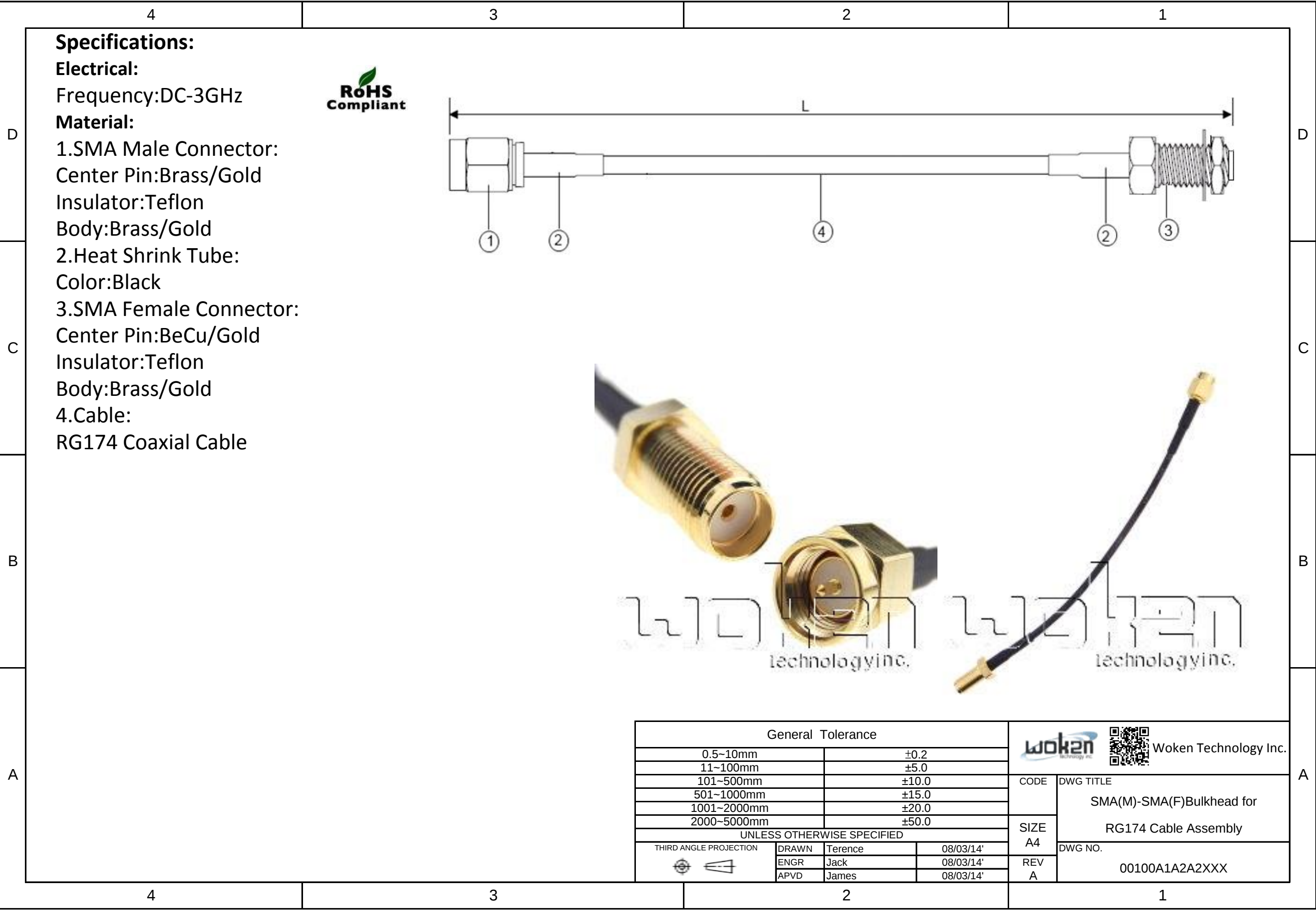
RG174 Electrical Characteristics

Impedance	50 ± 2 ohms	
Capacitance	100 pf/m	
Maximum Attenuation(dB/m) @	100MHz	0.395
	400MHz	0.655
	1GHz	1.175
	3GHz	2.103
Max Frequency	3GHz	

Maximum frequencies” are those as referenced on individual slant sheets of the MIL-C-17 specification. No values are given for unswept constructions as the specification recommends these cables should not be used above 400 MHz. (All figures referenced above are nominal unless otherwise specified.)

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



Specifications:

Electrical:

Frequency:DC-3GHz

Material:

1.SMA Male Connector:

Center Pin:Brass/Gold

Insulator:Teflon

Body:Brass/Gold

2.Heat Shrink Tube:

Color:Black

3.SMA Female Connector:

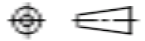
Center Pin:BeCu/Gold

Insulator:Teflon

Body:Brass/Gold

4.Cable:

RG174 Coaxial Cable

General Tolerance			
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	
UNLESS OTHERWISE SPECIFIED			
THIRD ANGLE PROJECTION 	DRAWN	Terence	08/03/14'
	ENGR	Jack	08/03/14'
	APVD	James	08/03/14'



Woken Technology Inc.

CODE	DWG TITLE
	SMA(M)-SMA(F)Bulkhead for
	RG174 Cable Assembly
SIZE A4	DWG NO.
REV A	00100A1A2A2XXX