



0010A125 Series

Testing Probe

6GHz SMA(M)-Tip for A09 Cable Testing Probe

Features

- ✓ High Repeatability
- ✓ Low VSWR



Test Report

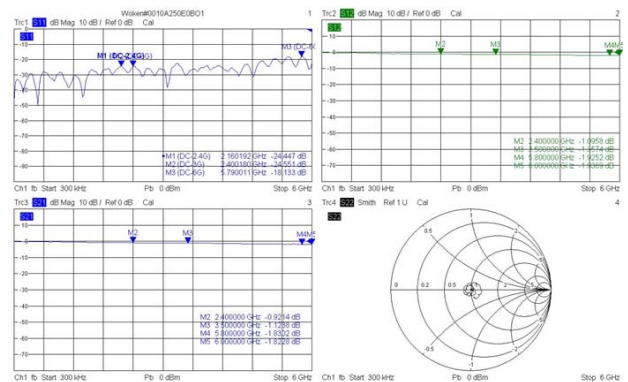
38cm

Electrical Specifications

Frequency	DC-6GHz
Return Loss	14dB(Min.)
Impedance	50Ohm
Connection 1	SMAMale
Connection 2	Probe Tip

Material

Part	Material	Plated
Signal Conductor	Beryllium Copper	Gold
Shielding Tube	Brass	Gold
Insulator	Teflon	
Crimp Ferrule	Brass	Gold
Spring Signal Conductor	SWP	Gold
Spring Shielding Plunger	SUS304	
Coaxial Cable	A09 Type	Black



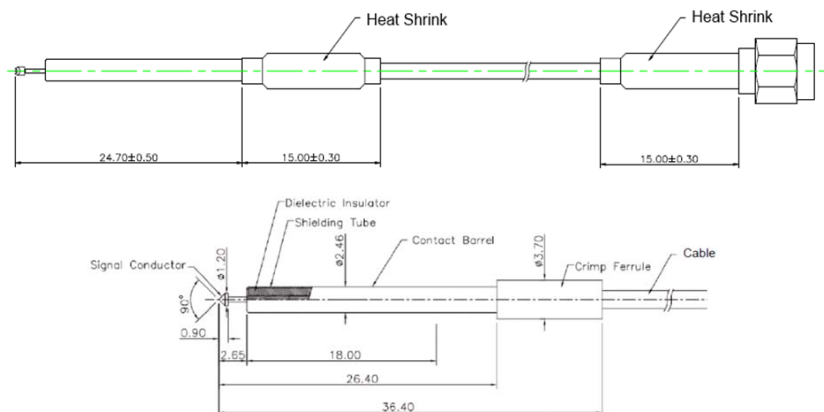
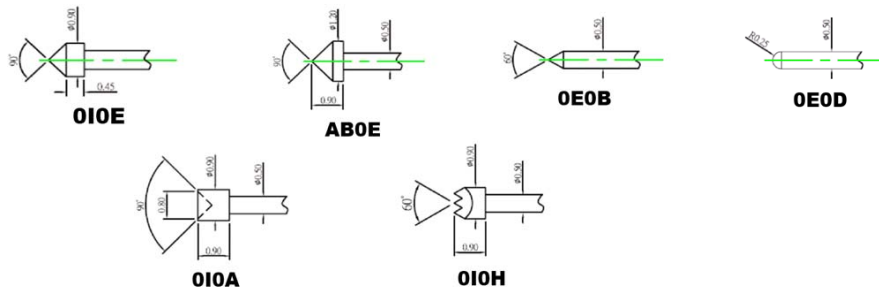
Mechanical

Durability	Probe Tip:8K Cycles SMA:500 Cycles
Spring Force	Signal Conductor:60g±20% at 1.80mm Shielding Plunger:120g ± 20% at 2.65mm

Outling Drawing (Unit:mm)

Total Length:±0.3mm

DIMENSIONS	TOLERANCES
.X	±0.20
.XX	±0.10
.XXX	±0.05
.X"	±1"



All Specification Changed Without Notification.



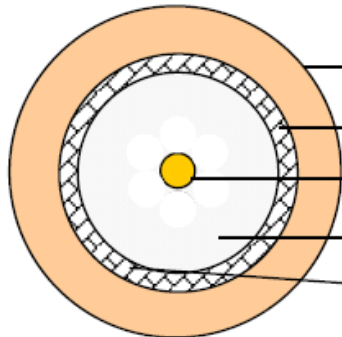
Wake up your further dream.



A09 Low Loss Cable Physical Characteristics

Center Conductor	Construction	0.46±0.009mm
	Conductors No.	1
	Material	OFC
Insulation	Average Thickness	0.52mm
	Diameter	1.5±0.05mm
	Material	PE
Tape	Material	Aluminum Tinsel 0.05*6.0mm
Braid Shield	Construction	16/5/0.1 mm
	Coverage	94%
	Diameter	2.11 mm
	Material	TC
Jacket	Average Thickness	0.32mm
	Overall Diameter	2.75±0.1mm
	Material	PVC(Black)
Minimum Bend Radius	16.5mm	
Operating Temp.	-20~+80℃	

A09 Low Loss Cable Electrical Characteristics

Impedance	50 ± 3ohms	
Maximum Attenuation(dB/1.1M) @	Freq.	Att.
	1GHz	0.7
	2GHz	1.12
	3GHz	1.42
	4GHz	1.67
	5GHz	2.0
	6GHz	2.1

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