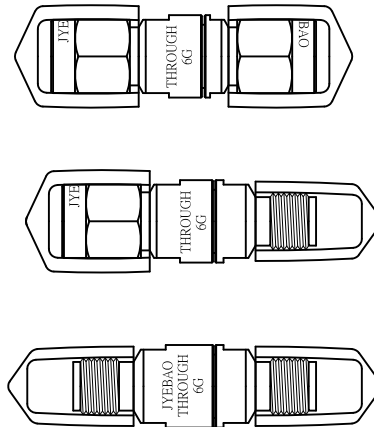
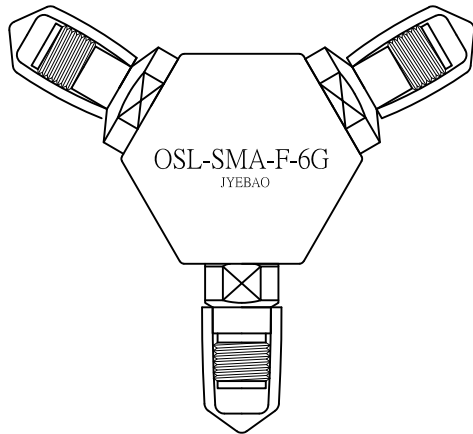


OSLT-SMA-F-6G

SMA Jack 50ohm Open Short Load Through 6GHz

50Ω



**Notes:**

1. Temperature range for optimal results: +20 °C to +26 °C
2. Storage temperature range: -20 °C to +75°C
3. When not in use put on cap to keep connector clean
4. Return loss test results shipped along with goods (example below)

OPEN				
Frequency Range	DC-6GHz			
Impedance	50Ω			
Offset length	Agilent	Anritsu	Rohde&Schwarz	
	16.70ps	5.01mm	5.01mm	
Capacitance	Agilent/Anritsu		Rohde&Schwarz	
	C0	(1E-15) F	5.000	fF
C1	(1E-27) F/Hz	0.000	fF/GHz	0.0000000
C2	(1E-36) F/Hz <sup>2</sup>	1.500	fF/GHz <sup>2</sup>	0.0015000
C3	(1E-45) F/Hz <sup>3</sup>	0.100	fF/GHz <sup>3</sup>	0.0001000
Phase Error				
DC-6GHz	≤1°			
Return Loss				
DC-6GHz	≤0.10dB			

SHORT				
Frequency Range	DC-6GHz			
Impedance	50Ω			
Offset length	Agilent	Anritsu	Rohde&Schwarz	
	16.70ps	5.01mm	5.01mm	
Inductance	Agilent/Anritsu		Rohde&Schwarz	
	L0	(1E-12) H	8.000	pH
L1	(1E-24) H/Hz	-995.000	pH/GHz	-0.9950000
L2	(1E-33) H/Hz <sup>2</sup>	33.000	pH/GHz <sup>2</sup>	0.0330000
L3	(1E-42) H/Hz <sup>3</sup>	-0.290	pH/GHz <sup>3</sup>	-0.0002900
Phase Error				
DC-6GHz	≤1°			
Return Loss				
DC-6GHz	≤0.10dB			

Load		Through Adaptor	
Frequency Range	DC-6GHz	Frequency Range	DC-6GHz
Impedance	50Ω	Impedance	50Ω
DC Resistance	50 ± 0.50Ω	Insertion Loss	≤0.15dB
Max Power	0.25W	Electrical Length	29.3+/-0.12mm
Return Loss DC-6GHz	≥42dB	Return Loss DC-6GHz	≥32dB

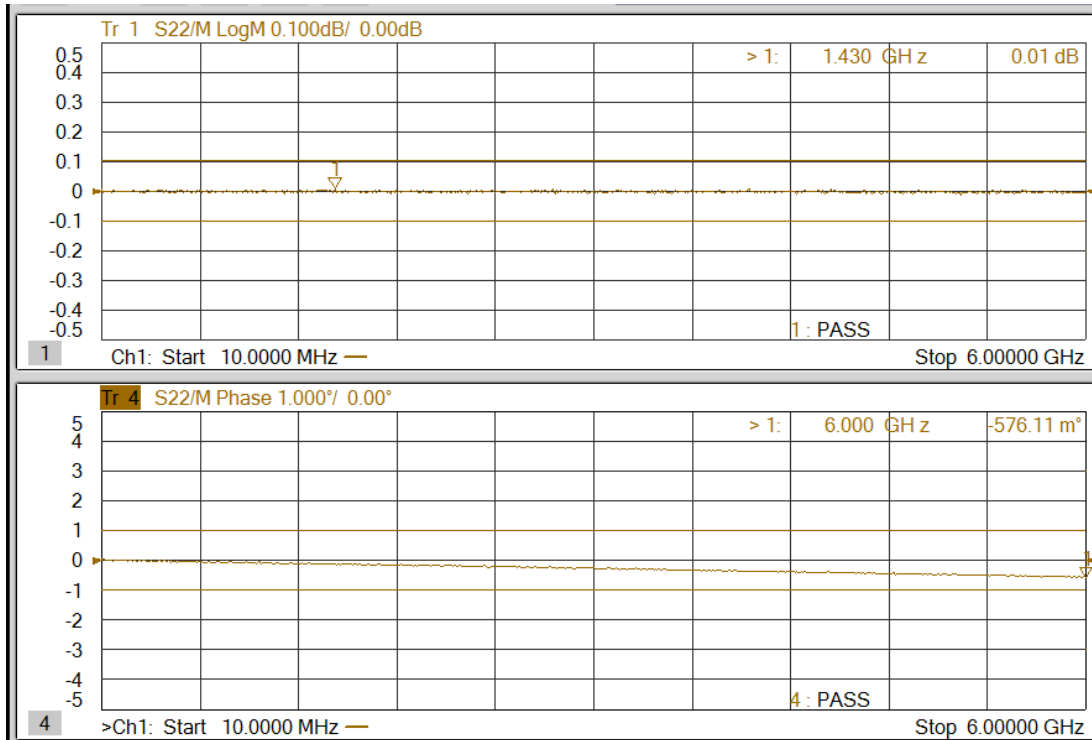
Parts	Material	Plating ( Micro-inch )
Housing	Aluminium	Anodized (Green)
Cap	PVC	
Body open/short/load/adaptor	Stainless Steel	Passivated
Contact pin open/short/load/ through adaptors	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Dielectric	Teflon	

This part number complies with RoHS.

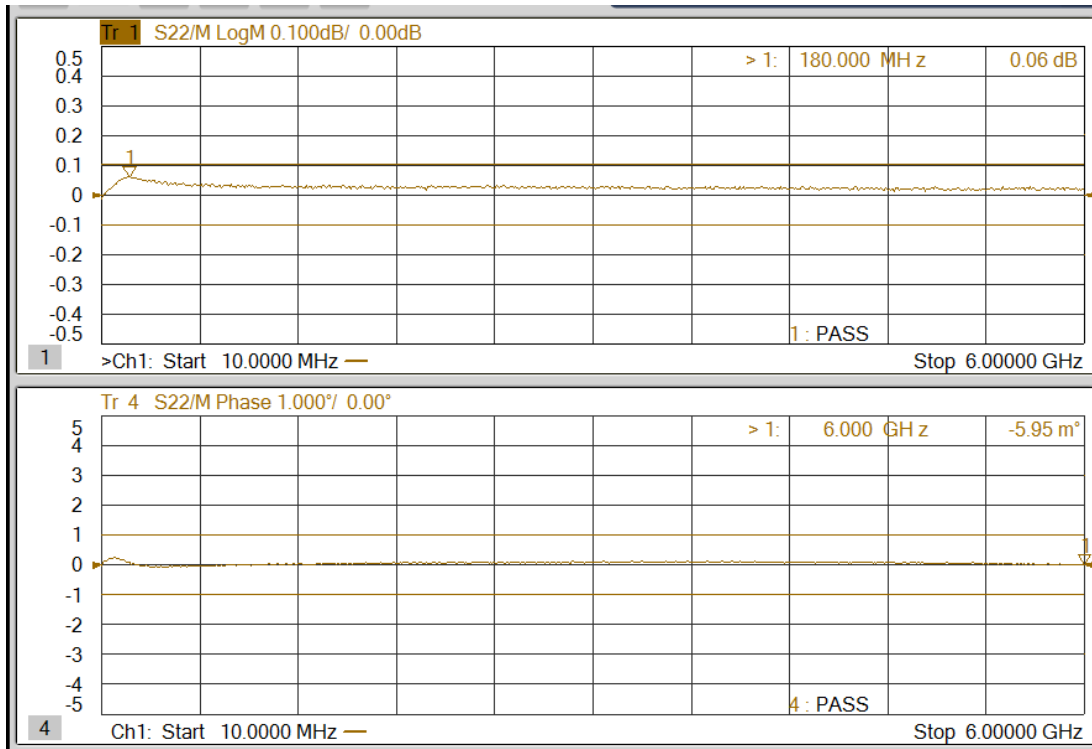
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

# OSLT-SMA-F-6G

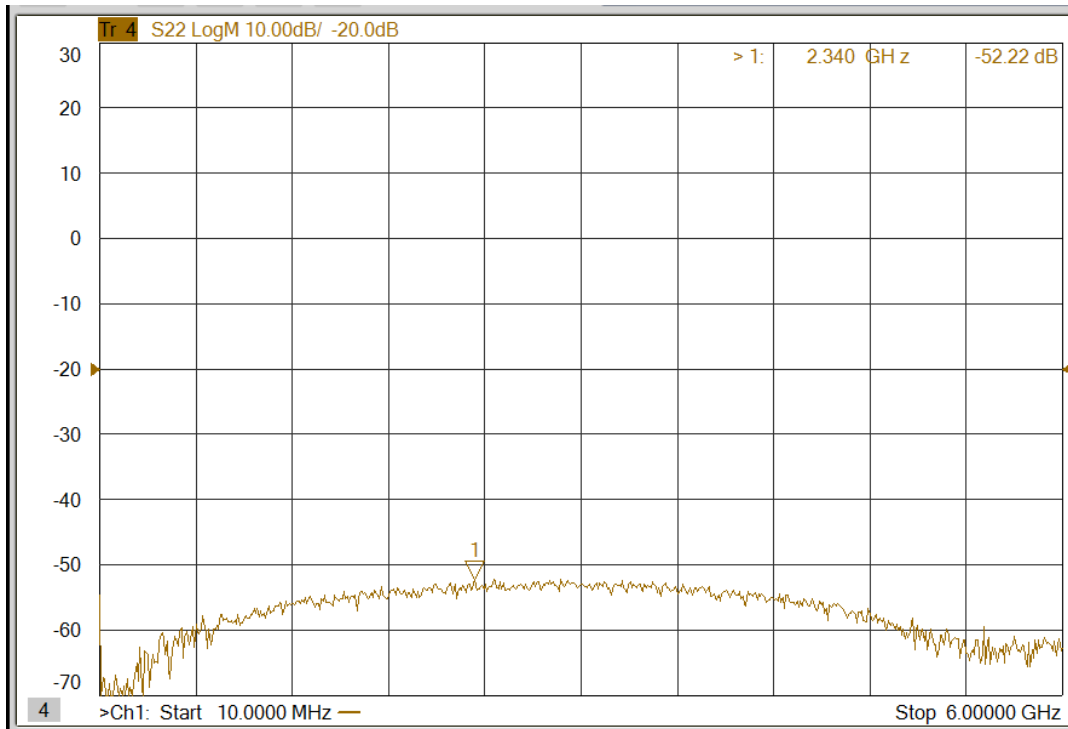
## OPEN return loss & phase error



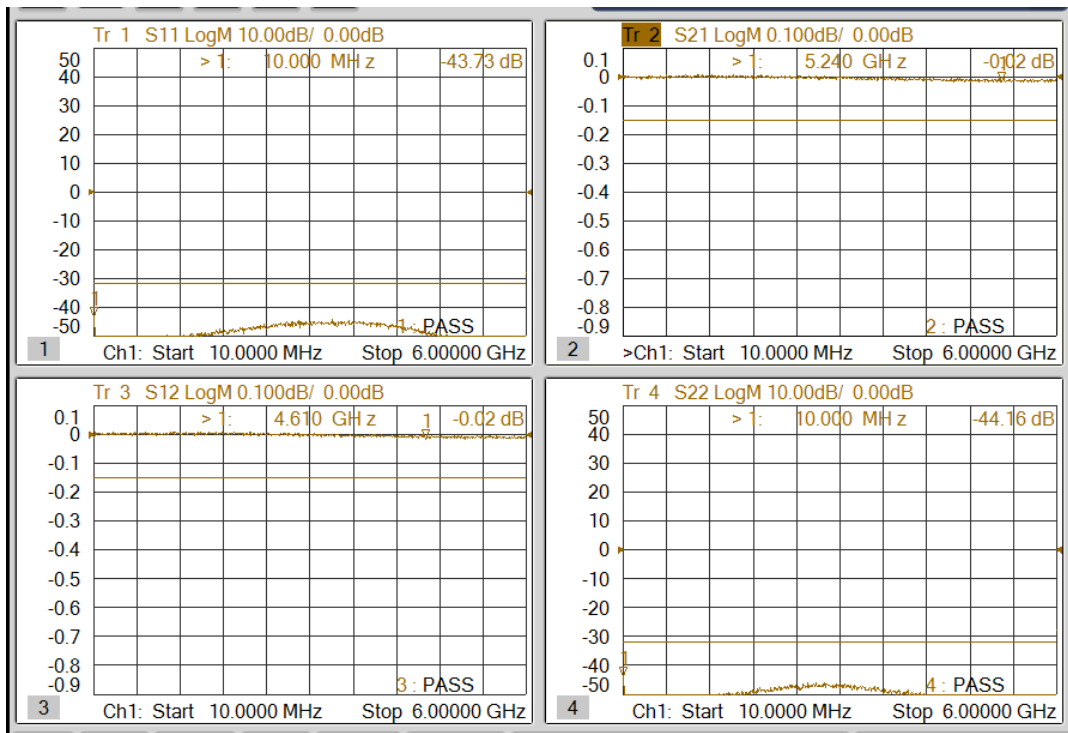
## SHORT return loss & phase error



## LOAD return loss

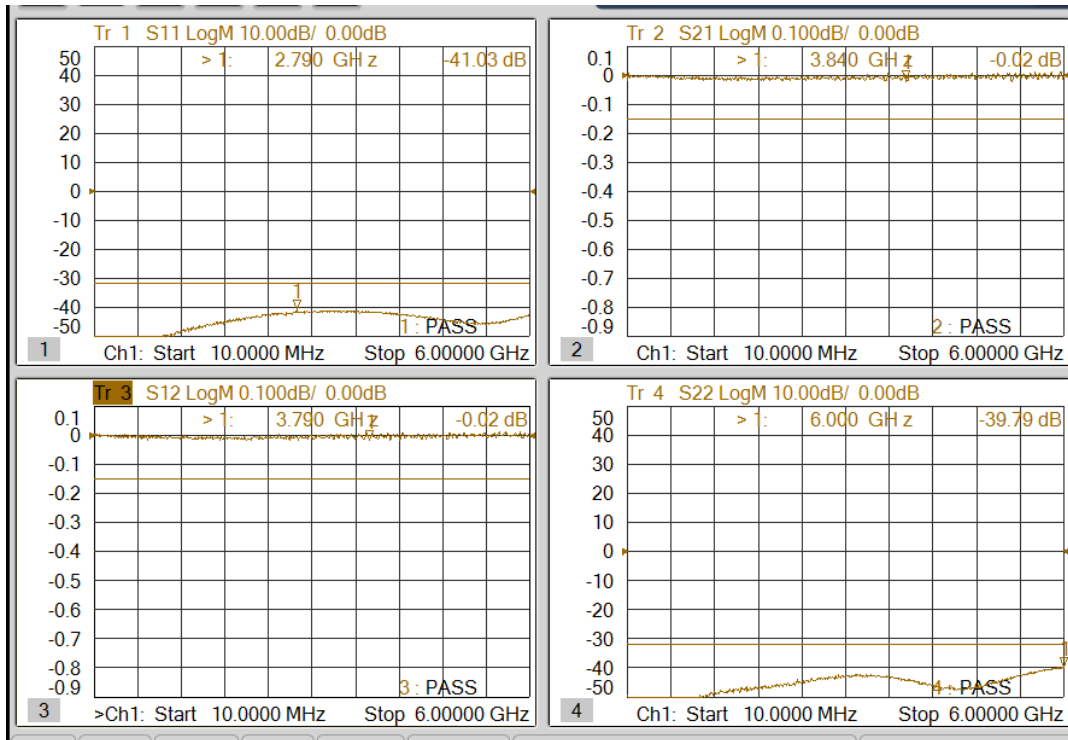


## Thru male-male insertion & return loss



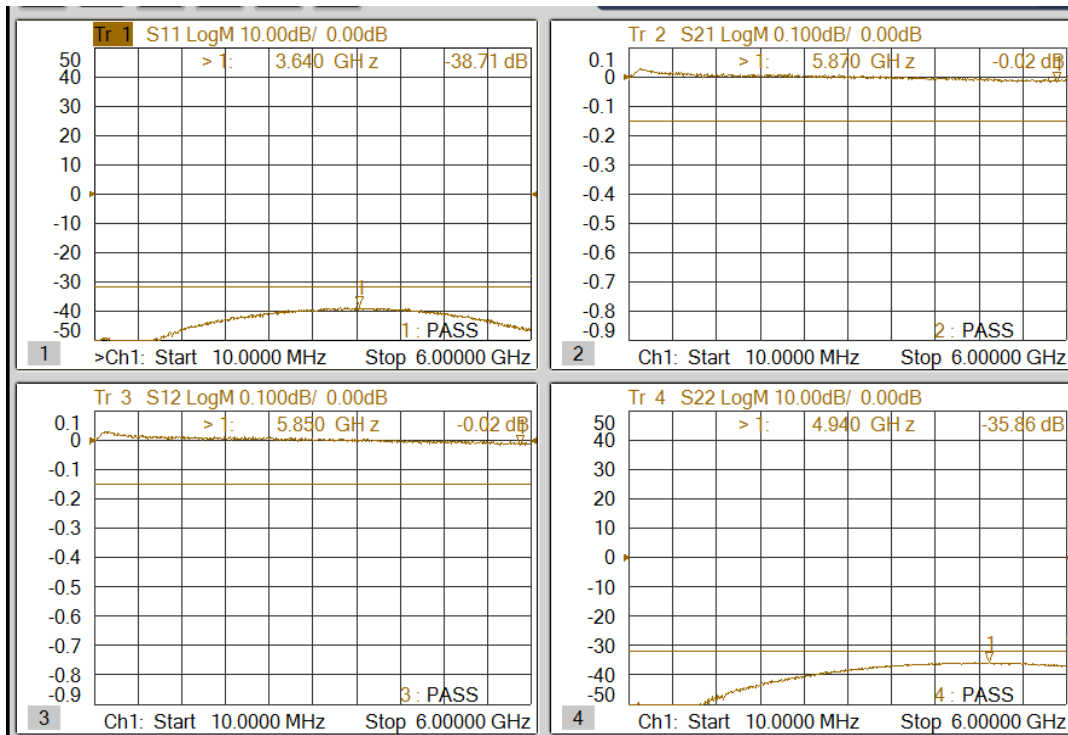
Thru male-male electrical length: 29.3mm

## Thru male-female insertion & return loss



Thru male-female electrical length: 29.3mm

## Thru female-female insertion & return loss



Thru female-female electrical length: 29.3mm