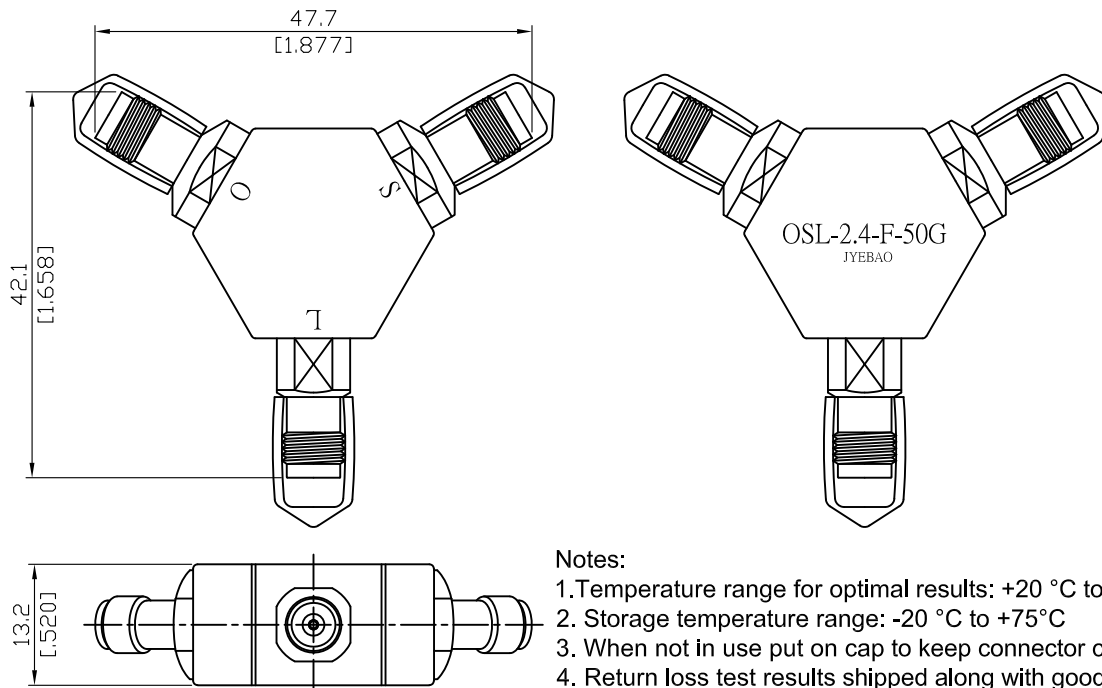


OSL-2.4-F-50G

2.4mm Jack Open Short Load 50GHz

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

OPEN			
FREQUENCY RANGE	DC-50GHz		
IMPEDANCE	50Ω		
OFFSET LENGTH			
AGILENT	ANRITSU	ROHDE&SCHWARZ	
20.837ps	6.2511mm	6.2511mm	
CAPACITANCE			
AGILENT/ANRITSU	ROHDE&SCHWARZ		
C0 (1E-15) F	29.720	ff	29.720
C1 (1E-27) F/Hz	165.780	ff/GHz	0.1658
C2 (1E-36) F/Hz <sup>2</sup>	-3.539	ff/GHz <sup>2</sup>	-0.0035
C3 (1E-45) F/Hz <sup>3</sup>	0.071	ff/GHz <sup>3</sup>	0.0001
PHASE ERROR	DC-10GHz	≤ 2°	
	10-26.5GHz	≤ 3°	
	26.5-50GHz	≤ 4°	
RETURN LOSS	DC-10GHz	≤ 0.10dB	
	10-26.5GHz	≤ 0.20dB	
	26.5-50GHz	≤ 0.30dB	

SHORT			
FREQUENCY RANGE	DC-50GHz		
IMPEDANCE	50Ω		
OFFSET LENGTH			
AGILENT	ANRITSU	ROHDE&SCHWARZ	
22.548ps	6.7644mm	6.7644mm	
INDUCTANCE			
AGILENT/ANRITSU	ROHDE&SCHWARZ		
L0 (1E-12)H	2.164	pH	2.164
L1 (1E-24)H/Hz	-146.350	pH/GHz	-0.1464
L2 (1E-33)H/Hz <sup>2</sup>	4.044	pH/GHz <sup>2</sup>	0.0040
L3 (1E-42)H/Hz <sup>3</sup>	-0.036	pH/GHz <sup>3</sup>	0.0000
PHASE ERROR	DC-10GHz	≤ 2°	
	10-26.5GHz	≤ 3°	
	26.5-50GHz	≤ 4°	
RETURN LOSS	DC-10GHz	≤ 0.10dB	
	10-26.5GHz	≤ 0.20dB	
	26.5-50GHz	≤ 0.25dB	

LOAD		
FREQUENCY RANGE	DC-50GHz	
IMPEDANCE	50Ω	
DC RESISTANCE	50±0.25Ω	
MAX POWER	0.25W	
RETURN LOSS	DC-4GHz	≥ 36dB
	4-20GHz	≥ 30dB
	20-26.5GHz	≥ 26dB
	26.5-50GHz	≥ 22dB

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

This part number complies with RoHS.

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

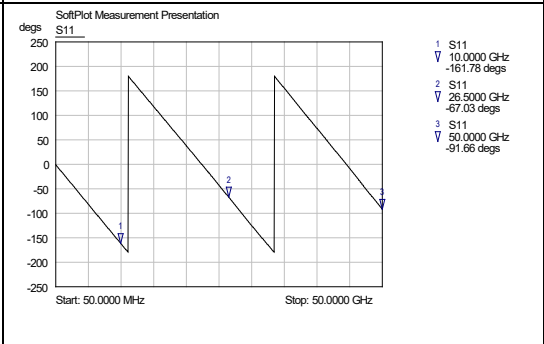
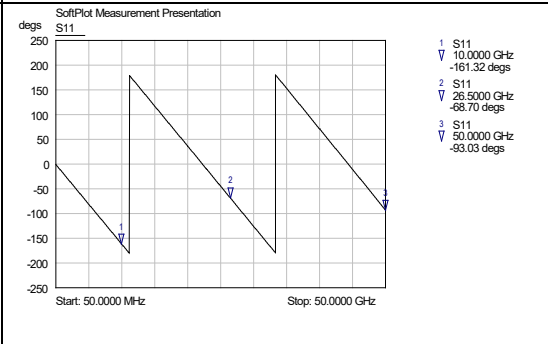
# OSL-2.4-F-50G

Test equipment	N5227B NETWORK ANALYZER
<b>Return Loss</b>	<b>test result</b>
<b>Open</b>	<div style="text-align: center;"> <p>SoftPlot Measurement Presentation</p> <p>Start: 50.0000 MHz      Stop: 50.0000 GHz</p> </div> <ul style="list-style-type: none"> <li>1 S11 40.0000 GHz 0.02 dB</li> <li>2 S11 36.1500 GHz -0.18 dB</li> </ul>
<b>Short</b>	<div style="text-align: center;"> <p>SoftPlot Measurement Presentation</p> <p>Start: 50.0000 MHz      Stop: 50.0000 GHz</p> </div> <ul style="list-style-type: none"> <li>1 S11 250.0000 MHz -0.00 dB</li> <li>2 S11 49.7500 GHz -0.20 dB</li> </ul>
<b>Load</b>	<div style="text-align: center;"> <p>SoftPlot Measurement Presentation</p> <p>Start: 50.0000 MHz      Stop: 50.0000 GHz</p> </div> <ul style="list-style-type: none"> <li>1 S11 48.8500 GHz -24.62 dB</li> </ul>

Test equipment	N5227B NETWORK ANALYZER	
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Phase error	85563A	OSL-2.4-F-50G
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**Open**



**Short**

