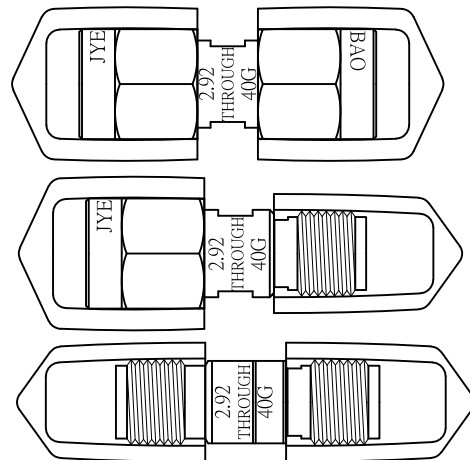
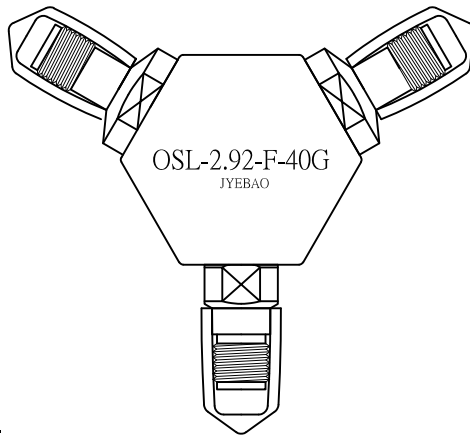


OSLT-2.92-F-40G

2.92mm Jack Open Short Load Through 40GHz

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-40GHz		
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 5.0000000
C1 (1E-27) F/Hz	0.000	fF/GHz	0.0000000
C2 (1E-36) F/Hz ²	1.500	fF/GHz ²	0.0015000
C3 (1E-45) F/Hz ³	0.100	fF/GHz ³	0.0001000
Phase Error	DC-6GHz		
	≤1°		
	6-26.5GHz		
≤2°			
26.5-40GHz			
≤3°			
Return Loss	DC-18GHz		
	≤0.10dB		
	18-40GHz		
≤0.20dB			

SHORT				
Frequency Range	DC-40GHz			
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	8.0000000
L1 (1E-24) H/Hz	-995.000	pH/GHz	-0.9950000	
L2 (1E-33) H/Hz ²	33.000	pH/GHz ²	0.0330000	
L3 (1E-42) H/Hz ³	-0.290	pH/GHz ³	-0.0002900	
Phase Error	DC-6GHz			
	≤1°			
	6-26.5GHz			
≤2°				
26.5-40GHz				
≤3°				
Return Loss	DC-18GHz			
	≤0.10dB			
	18-40GHz			
≤0.20dB				

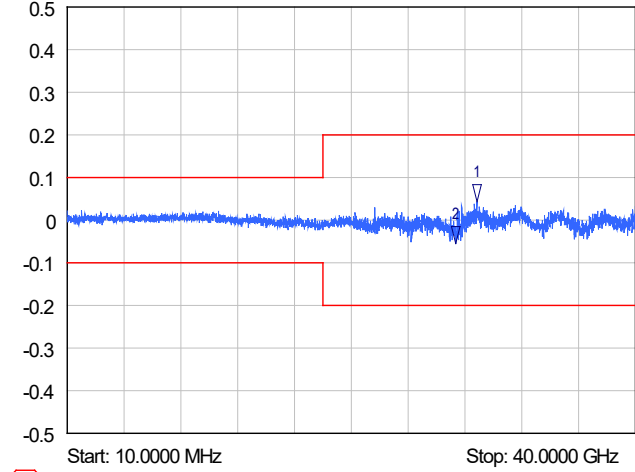
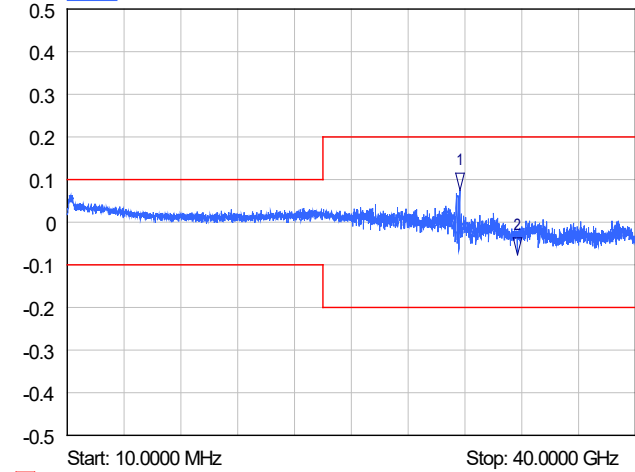
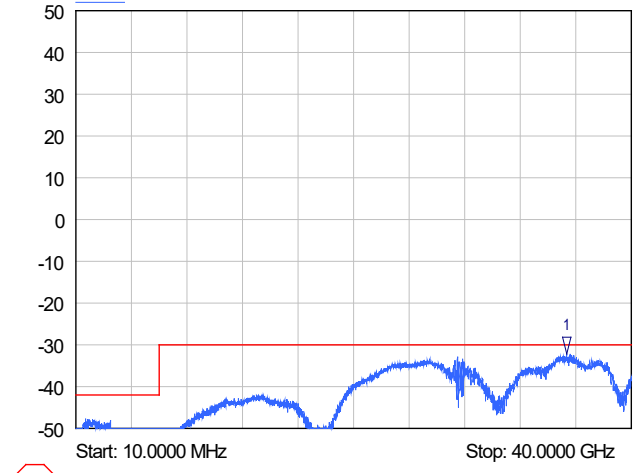
Load		
Frequency Range	DC-40GHz	
Impedance	50Ω	
DC Resistance	50 ± 0.25Ω	
Max Power	0.25W	
Return Loss	DC-6GHz	≥42dB
	6-40GHz	≥30 dB

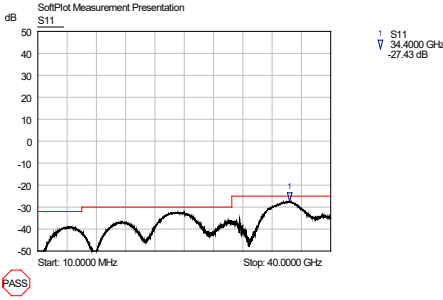
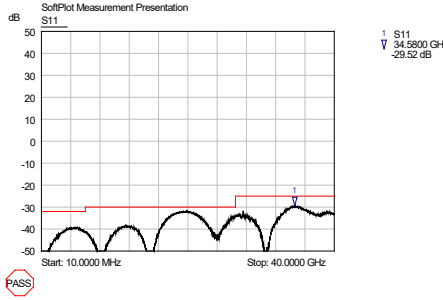
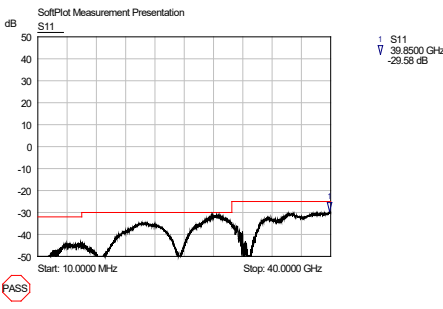
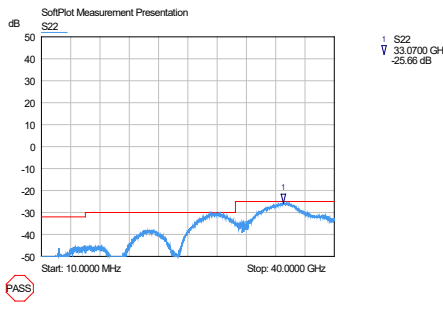
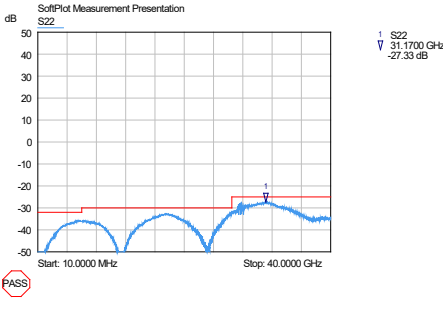
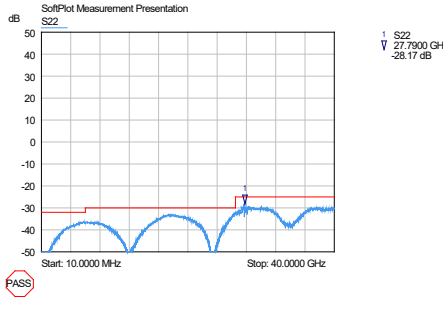
Through Adaptor		
Frequency Range	DC-40GHz	
Impedance	50Ω	
Insertion Loss	≤0.2dB	
Electrical Length	16.3+/-0.12mm	
Return Loss	DC-6GHz	≥32dB
	6-26.5GHz	≥30dB
	26.5-40GHz	≥25dB

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 load/ open/ through adaptors	PPO	

This part number complies with RoHS.

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

Test equipment	MS4647B NETWORK ANALYZER
Return Loss	Test result
<p style="text-align: center;">Open</p>	<p>SoftPlot Measurement Presentation S22</p>  <p>1 S22 ∇ 28.8300 GHz 0.04 dB</p> <p>2 S22 ∇ 27.3600 GHz -0.06 dB</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <p>PASS</p>
<p style="text-align: center;">Short</p>	<p>SoftPlot Measurement Presentation S22</p>  <p>1 S22 ∇ 27.6300 GHz 0.08 dB</p> <p>2 S22 ∇ 31.6800 GHz -0.08 dB</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <p>PASS</p>
<p style="text-align: center;">Load</p>	<p>SoftPlot Measurement Presentation S22</p>  <p>1 S22 ∇ 35.3300 GHz -32.10 dB</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <p>PASS</p>

Test equipment	MS4647B NETWORK ANALYZER	
Return Loss	Test result	
<p>TH-2.92-MM-40G Thru male to male</p>	 <p>SoftPlot Measurement Presentation S11</p> <p>dB</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <p>↓ S11 34.4000 GHz -27.43 dB</p> <p>PASS</p>	 <p>SoftPlot Measurement Presentation S11</p> <p>dB</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <p>↓ S11 34.5800 GHz -29.52 dB</p> <p>PASS</p>
<p>TH-2.92-MF-40G Thru male to female</p>	 <p>SoftPlot Measurement Presentation S11</p> <p>dB</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <p>↓ S11 39.8500 GHz -29.58 dB</p> <p>PASS</p>	 <p>SoftPlot Measurement Presentation S22</p> <p>dB</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <p>↓ S22 33.0700 GHz -25.66 dB</p> <p>PASS</p>
<p>TH-2.92-FF-40G Thru female to female</p>	 <p>SoftPlot Measurement Presentation S22</p> <p>dB</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <p>↓ S22 31.1700 GHz -27.33 dB</p> <p>PASS</p>	 <p>SoftPlot Measurement Presentation S22</p> <p>dB</p> <p>Start: 10.0000 MHz Stop: 40.0000 GHz</p> <p>↓ S22 27.7900 GHz -28.17 dB</p> <p>PASS</p>

Test equipment

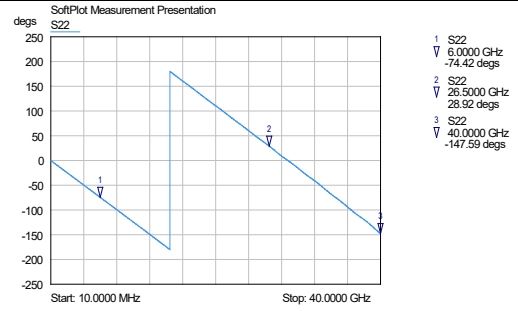
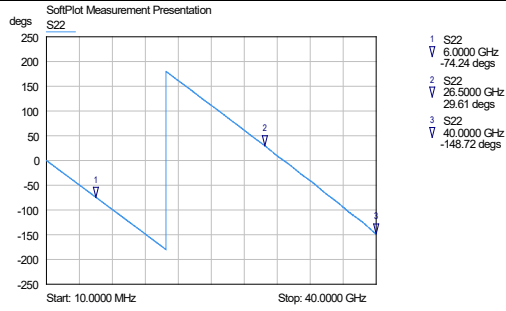
MS4647B NETWORK ANALYZER

Phase error

TOSLKF50A-40

OSLT-2.92-F-40G

Open



Short

