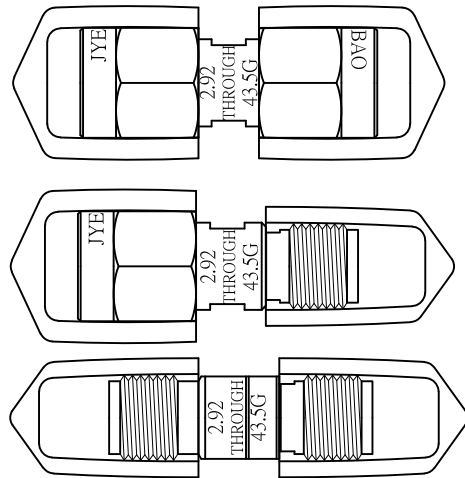
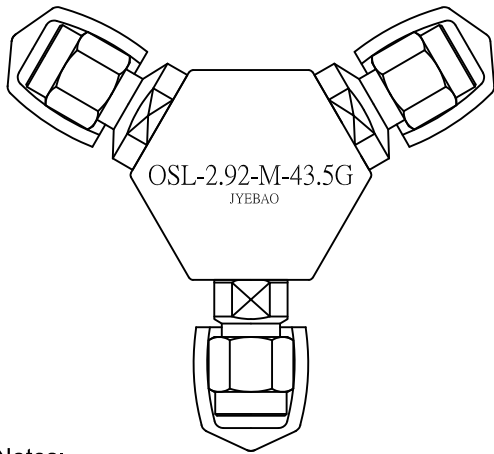


OSLT-2.92-M-43.5G

2.92mm Plug Open Short Load Through 43.5GHz

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				SHORT					
Frequency Range	DC-43.5GHz			Frequency Range	DC-43.5GHz				
Impedance	50Ω			Impedance	50Ω				
Offset length	Agilent	Anritsu	Rohde&Schwarz	Offset length	Agilent	Anritsu	Rohde&Schwarz		
		16.70ps	5.01mm		5.01mm		16.70ps	5.01mm	5.01mm
Capacitance	Agilent/Anritsu		Rohde&Schwarz	Inductance	Agilent/Anritsu		Rohde&Schwarz		
	C0	(1E-15) F	4.500		fF	4.5000000	L0	(1E-12) H	4.000
C1	(1E-27) F/Hz	395.000	fF/GHz	0.3950000	L1	(1E-24) H/Hz	-650.000	pH/GHz	-0.6500000
C2	(1E-36) F/Hz ²	-20.000	fF/GHz ²	-0.0200000	L2	(1E-33) H/Hz ²	39.000	pH/GHz ²	0.0390000
C3	(1E-45) F/Hz ³	0.400	fF/GHz ³	0.0004000	L3	(1E-42) H/Hz ³	-0.640	pH/GHz ³	-0.0006400
Phase Error				Phase Error					
DC-6GHz	≤1°			DC-6GHz	≤1°				
6-26.5GHz	≤3°			6-26.5GHz	≤3°				
26.5-40GHz	≤5°			26.5-40GHz	≤5°				
40-43.5GHz	≤6°			40-43.5GHz	≤6°				
Return Loss				Return Loss					
DC-18GHz	≤0.10dB			DC-18GHz	≤0.10dB				
18-43.5GHz	≤0.25dB			18-43.5GHz	≤0.25dB				

Load	
Frequency Range	DC-43.5GHz
Impedance	50Ω
DC Resistance	50 ± 0.25Ω
Max Power	0.25W
Return Loss	DC-6GHz ≥42dB
Loss	6-43.5GHz ≥30 dB

Through Adaptor	
Frequency Range	DC-43.5GHz
Impedance	50Ω
Insertion Loss	≤0.2dB
Electrical Length	16.3+/-0.12mm
Return Loss	DC-6GHz ≥32dB
	6-26.5GHz ≥30dB
	26.5-43.5GHz ≥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.

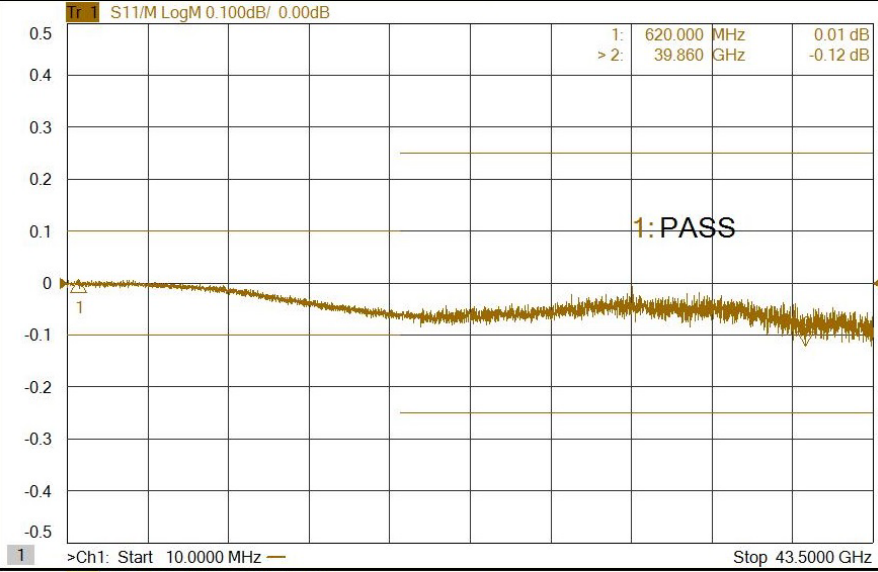
Test equipment

N5227B NETWORK ANALYZER

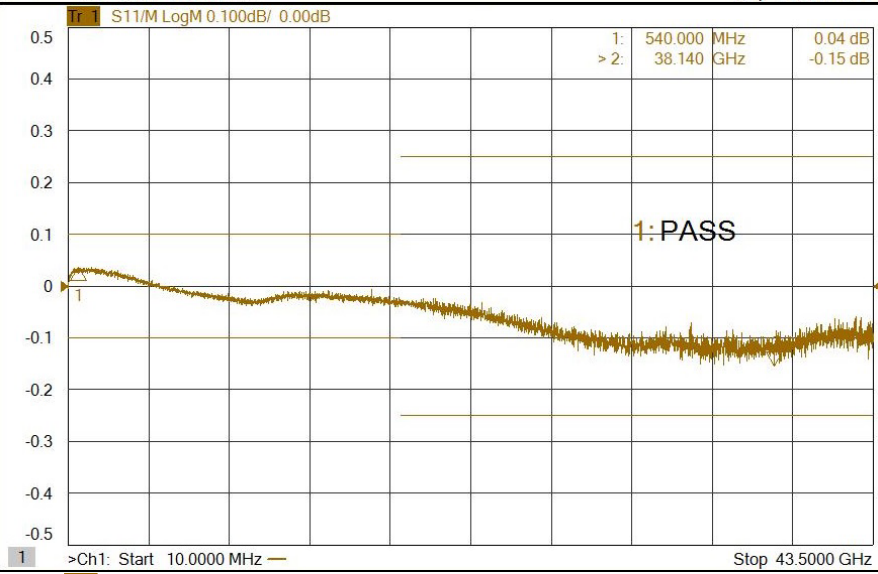
Return Loss

OSLT-2.92-M-43.5G test result

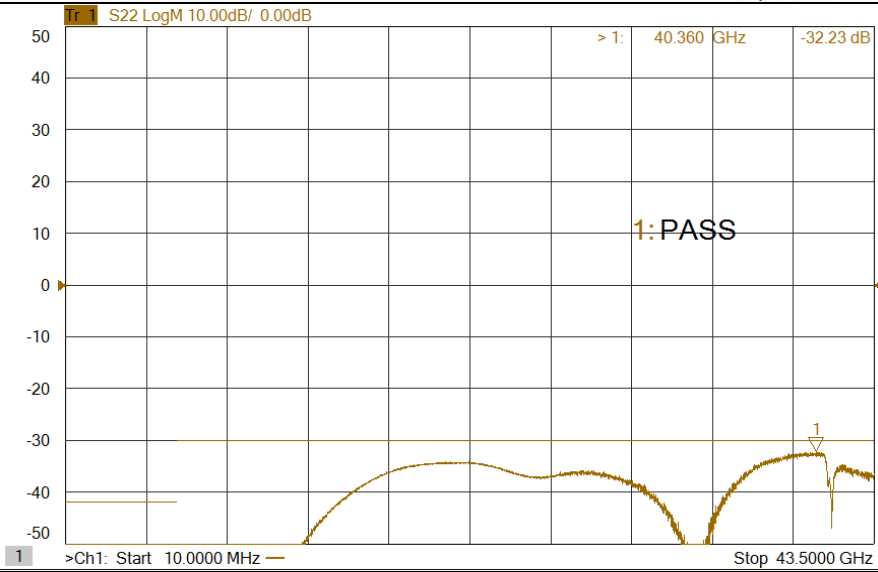
Open



Short



Load



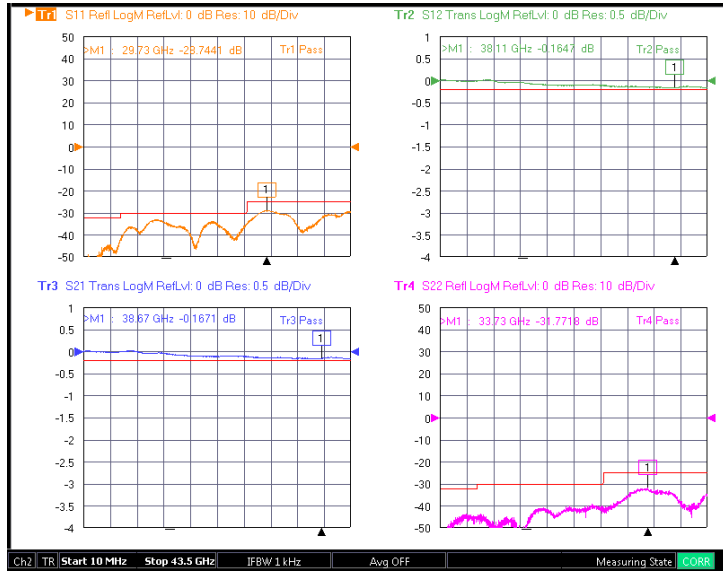
Test equipment

MS4647B NETWORK ANALYZER

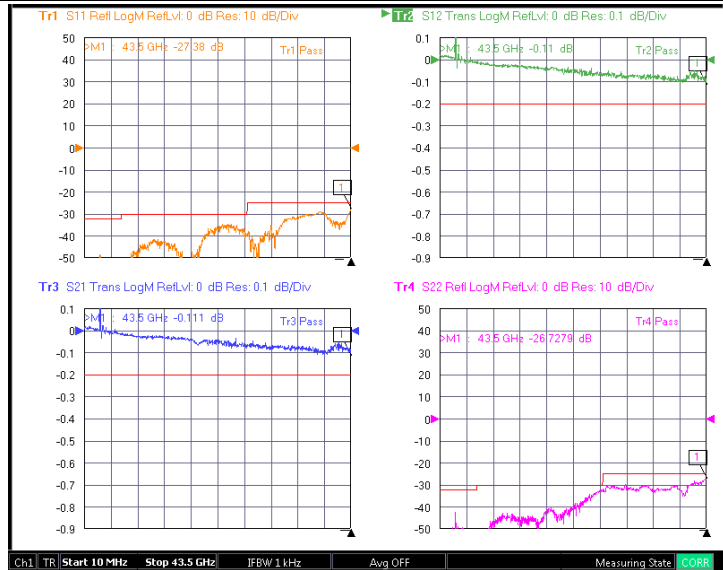
Return Loss

test result

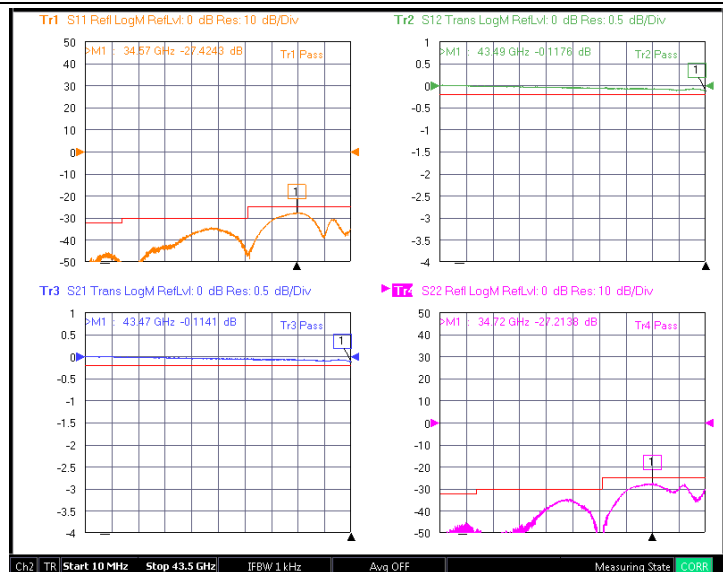
TH-2.92-MM-43.5G



TH-2.92-MF-43.5G



TH-2.92-FF-43.5G



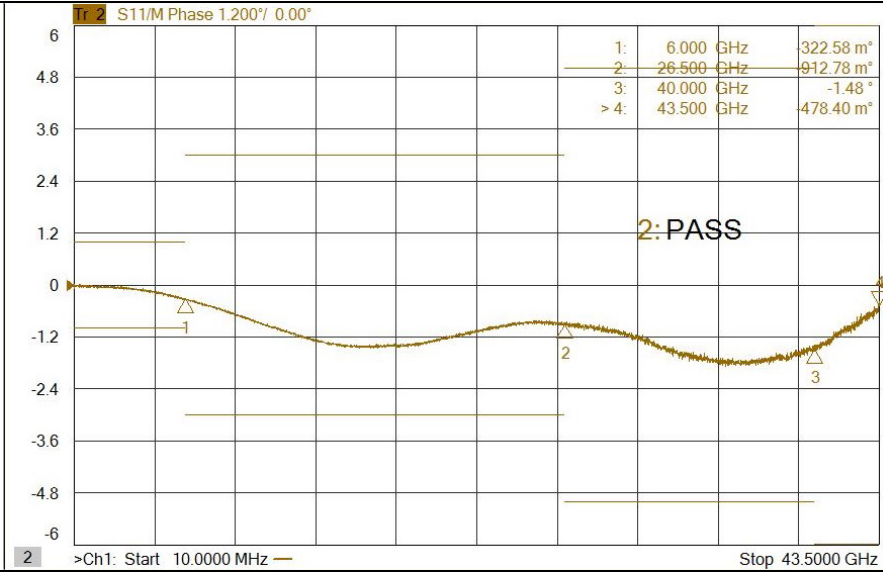
Test equipment

N5227B NETWORK ANALYZER

Phase error

TOSLK50A-43.5 VS OSLT-2.92-M-43.5G

Open



Short

