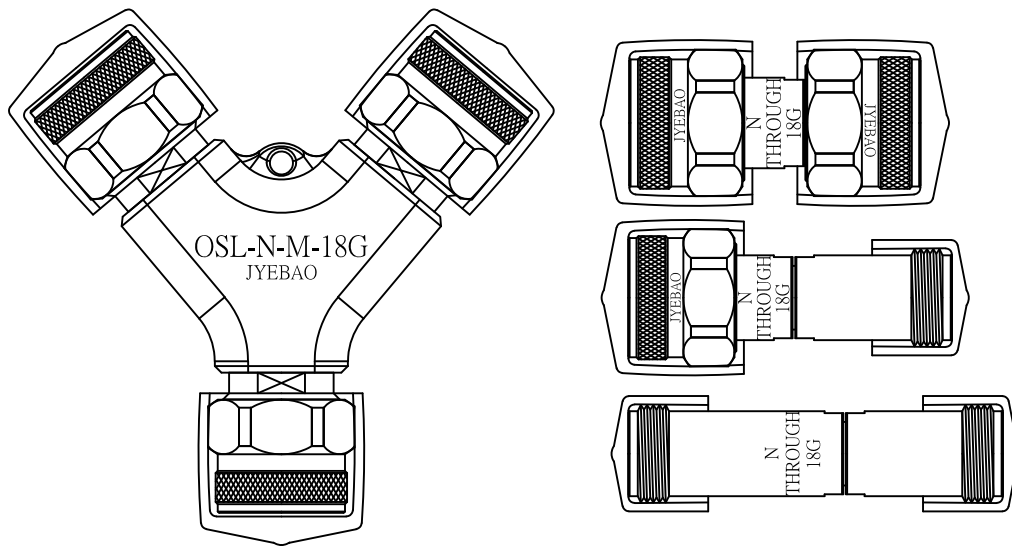


OSLT-N-M-50-18G

N Plug 50ohm Open Short Load Through  
18GHz

50Ω



OPEN				SHORT					
Frequency Range	DC-18GHz			Frequency Range	DC-18GHz				
Impedance	50Ω			Impedance	50Ω				
Offset length	Agilent	Anritsu	Rohde&Schwarz	Offset length	Agilent	Anritsu	Rohde&Schwarz		
	59.44ps	17.83mm	17.83mm		59.44ps	17.83mm	17.83mm		
Capacitance	Agilent/Anritsu		Rohde&Schwarz	Inductance	Agilent/Anritsu		Rohde&Schwarz		
	C0	(1E-15) F	4.000 fF		4.0000000	L0	(1E-12) H	0.000 pH	0.0000000
C1	(1E-27) F/Hz	200.000	fF/GHz	0.2000000	L1	(1E-24) H/Hz	0.000	pH/GHz	0.0000000
C2	(1E-36) F/Hz <sup>2</sup>	0.000	fF/GHz <sup>2</sup>	0.0000000	L2	(1E-33) H/Hz <sup>2</sup>	0.000	pH/GHz <sup>2</sup>	0.0000000
C3	(1E-45) F/Hz <sup>3</sup>	1.100	fF/GHz <sup>3</sup>	0.0011000	L3	(1E-42) H/Hz <sup>3</sup>	0.000	pH/GHz <sup>3</sup>	0.0000000
Phase Error				Phase Error					
DC-6GHz	≤1.5°			DC-6GHz	≤1.5°				
6-18Ghz	<3°			6-18Ghz	<3°				
Return Loss				Return Loss					
DC-6GHz	≤0.10dB			DC-6GHz	≤0.10dB				
6-18GHz	≤0.20dB			6-18GHz	≤0.20dB				

Load		Through Adaptor			
Frequency Range	DC-18Ghz	Frequency Range	DC-18Ghz		
Impedance	50Ω	Impedance	50Ω		
DC Resistance	50 ± 0.50Ω	Insertion Loss	≤0.2dB		
Max Power	1W	Electrical Length	43.70+/-0.12mm		
Return Loss	DC-6GHz	≥42dB	Return Loss	DC-6GHz	≥36dB
	6-18GHz	≥30 dB		6-18GHz	≥30dB

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

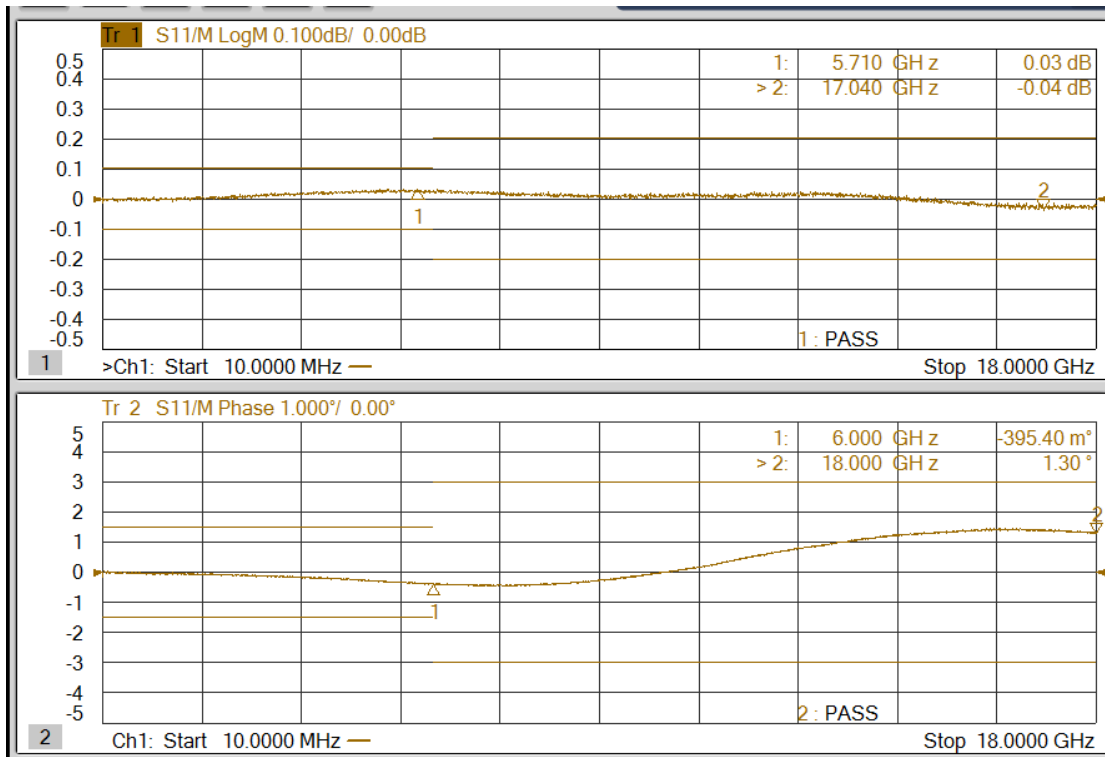
Parts	Material	Plating ( Micro-inch )
Housing	Aluminium	Anodized (Green)
Cap	PVC	
Body open/short/load	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact pin open/short/load/ through adaptor	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Dielectric load/ open/ through adaptor	PPO	
Body Adaptor	Stainless	Passivated
Coupling Nut open/ short/ load/ through adaptor	Stainless	Passivated

This part number complies with RoHS.

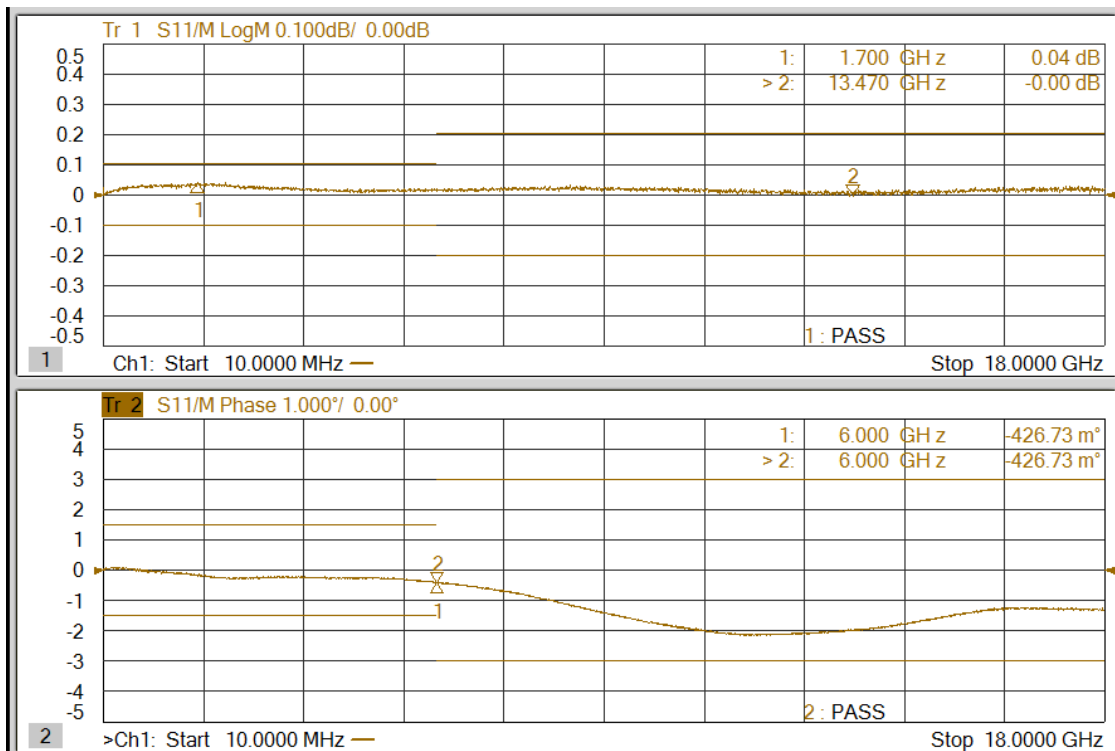
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

# OSLT-N-M-50-18G

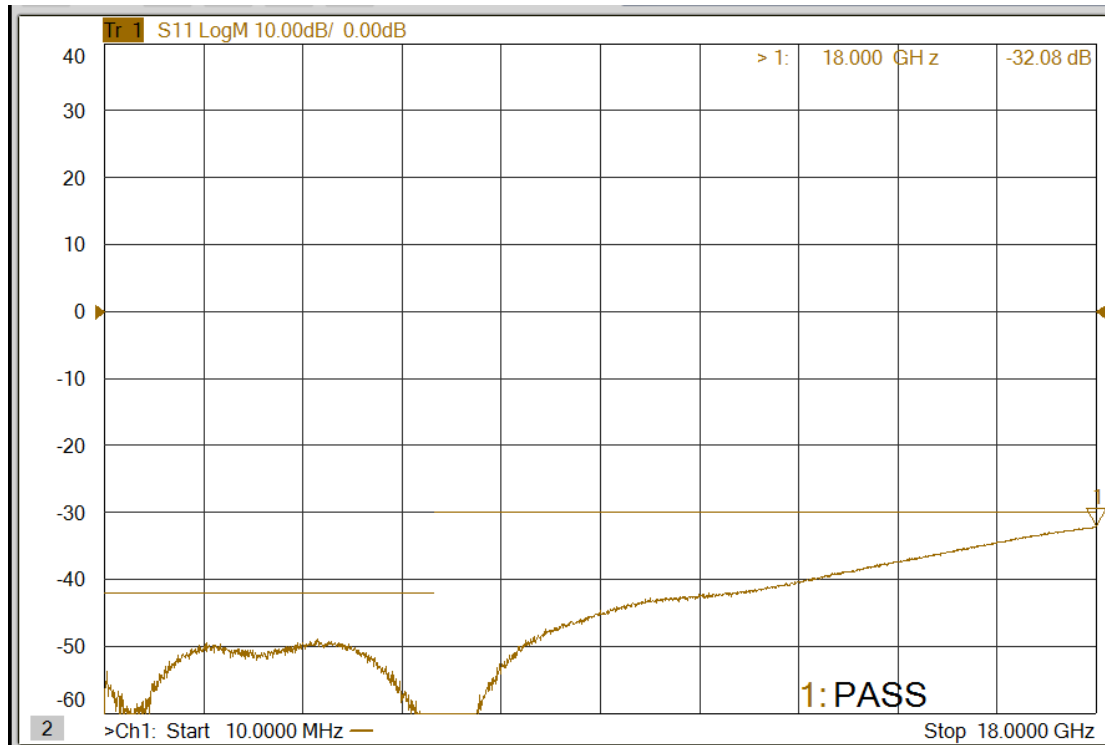
## OPEN return loss & phase error



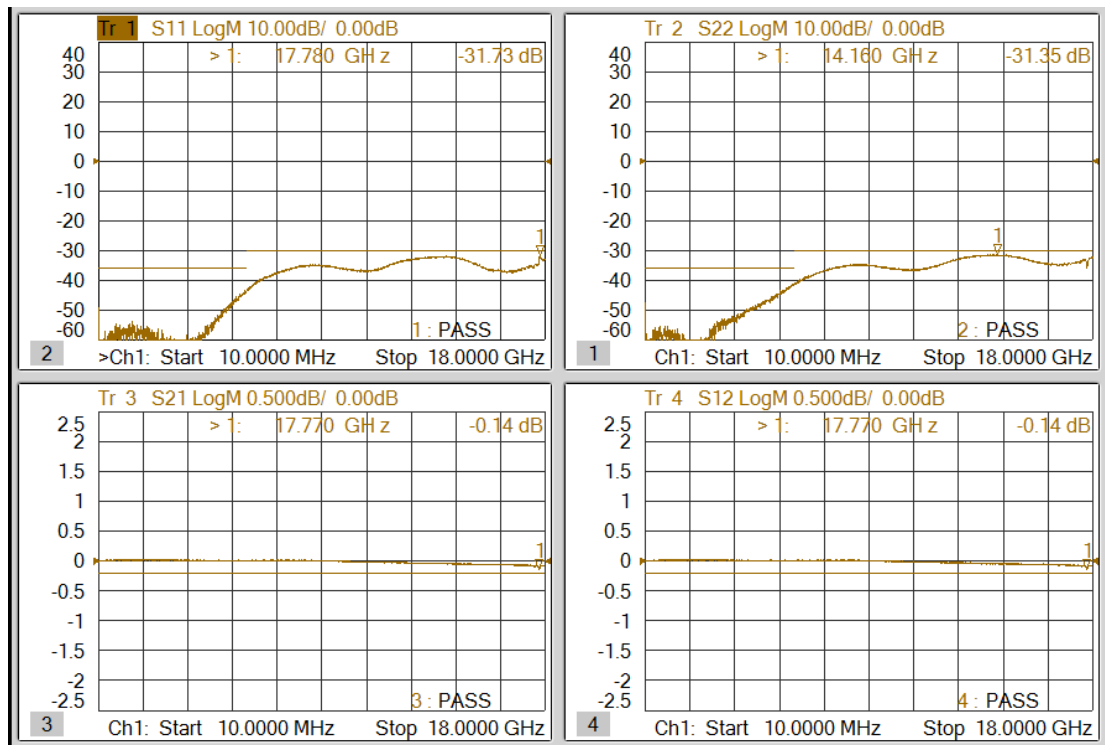
## SHORT return loss & phase error



## LOAD return loss



## Thru male-male insertion & return loss



Thru male-male electrical length: 43.7mm