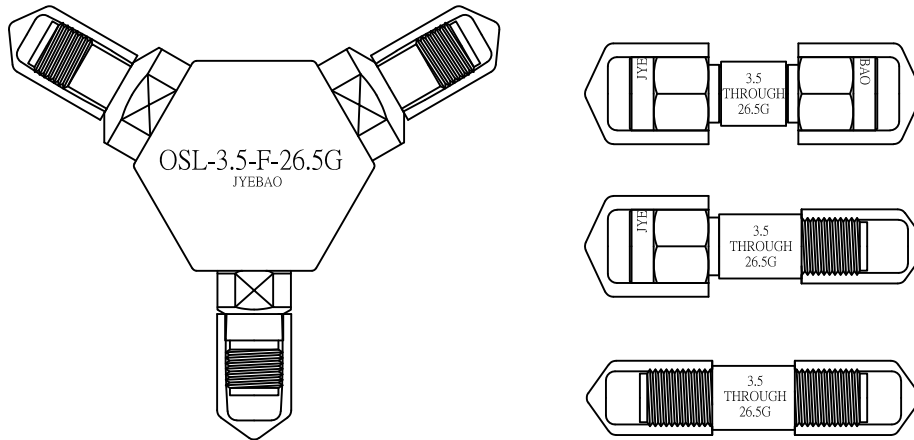


OSLT-3.5-F-26.5G

3.5mm Jack 50ohm Open Short Load Through 26.5GHz 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 connectors clean
4. Return loss test results shipped along with goods

OPEN				SHORT					
Frequency Range	DC-26.5GHz			Frequency Range	DC-26.5GHz				
Impedance	50Ω			Impedance	50Ω				
Offset length	Agilent	Anritsu	Rohde&Schwarz	Offset length	Agilent	Anritsu	Rohde&Schwarz		
		29.243ps	8.5mm		8.5mm		31.78499ps	9.5mm	9.5mm
Capacitance	Agilent/Anritsu		Rohde&Schwarz		Inductance	Agilent/Anritsu		Rohde&Schwarz	
C0	(1E-15) F	49.43328	fF	49.4332800	L0	(1E-12) H	2.07650	pH	2.0765000
C1	(1E-27) F/Hz	-310.13104	fF/GHz	-0.3101310	L1	(1E-24) H/Hz	-108.53999	pH/GHz	-0.1085400
C2	(1E-36) F/Hz ²	23.16819	fF/GHz ²	0.0231682	L2	(1E-33) H/Hz ²	2.17050	pH/GHz ²	0.0021705
C3	(1E-45) F/Hz ³	-0.15966	fF/GHz ³	-0.0001597	L3	(1E-42) H/Hz ³	-0.01000	pH/GHz ³	-0.0000100
Phase Error				Phase Error					
DC-3GHz		≤0.65°		DC-3GHz		≤0.5°			
3-8GHz		≤1.2°		3-8GHz		≤1°			
8-26.5Ghz		≤2°		8-26.5Ghz		≤1.75°			
Return Loss				Return Loss					
DC-8GHz		≤0.10dB		DC-8GHz		≤0.10dB			
8-20GHz		≤0.15dB		8-20GHz		≤0.15dB			
20-26.5GHz		≤0.20dB		20-26.5GHz		≤0.20dB			

Load		
Frequency Range	DC-26.5Ghz	
Impedance	50Ω	
DC Resistance	50 ± 0.50Ω	
Max Power	0.25W	
Return Loss	DC-2GHz	≥46dB
	2-3GHz	≥44 dB
	3-8GHz	≥38 dB
	8-20GHz	≥36 dB
	20-26.5GHz	≥34 dB

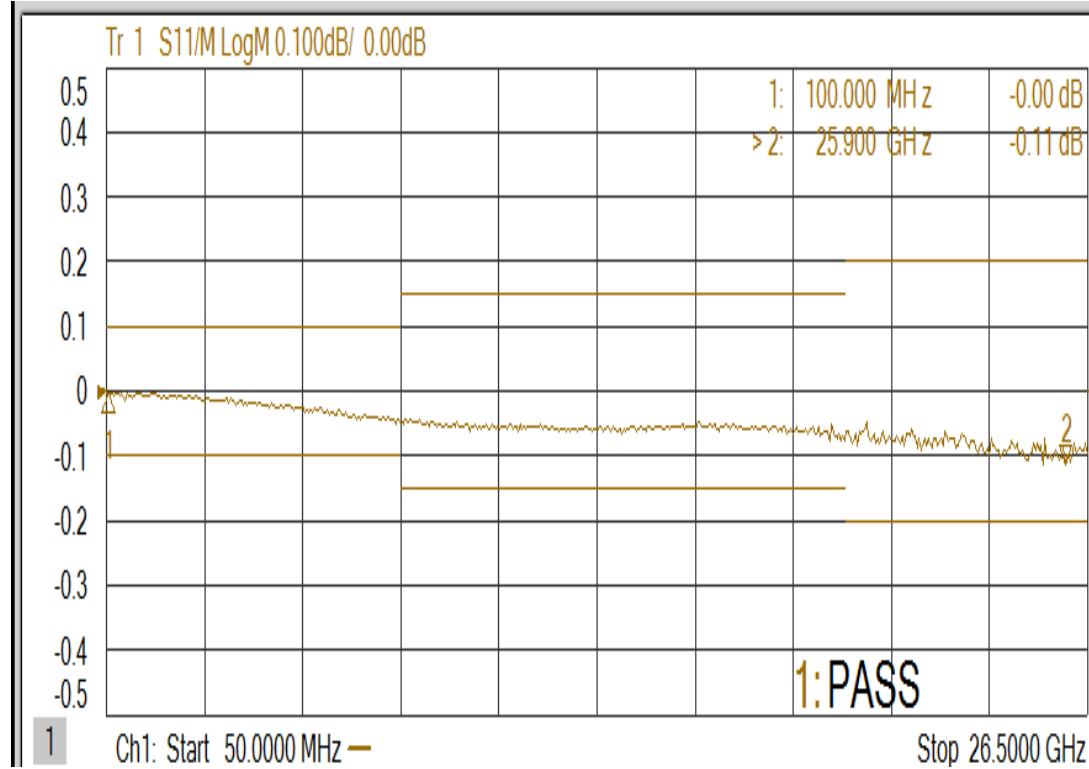
Through Adaptor		
Frequency Range	DC-26.5Ghz	
Impedance	50Ω	
Insertion Loss	≤0.2dB	
Electrical Length	21.9+/-0.12mm	
Return Loss	DC-8GHz	≥30dB
	8-18GHz	≥28dB
	18-26.5GHz	≥26dB

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/through adaptors	PPO	
Dielectric open	PEI	

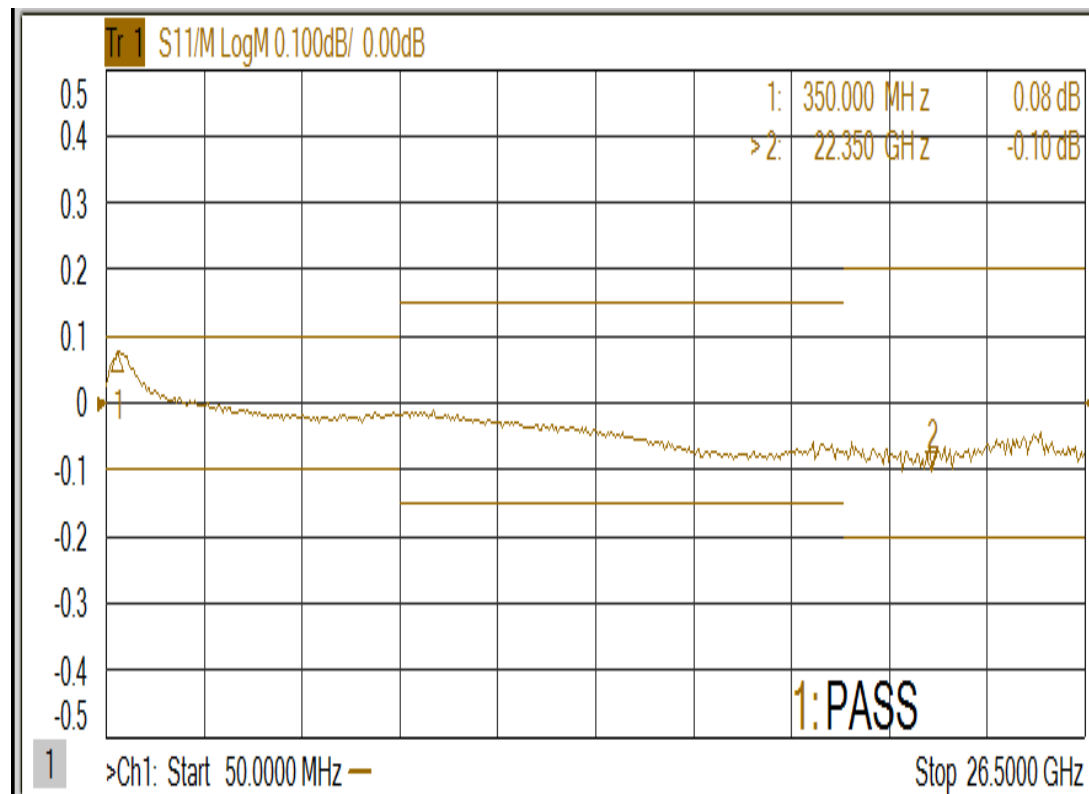
This part number complies with RoHS.

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

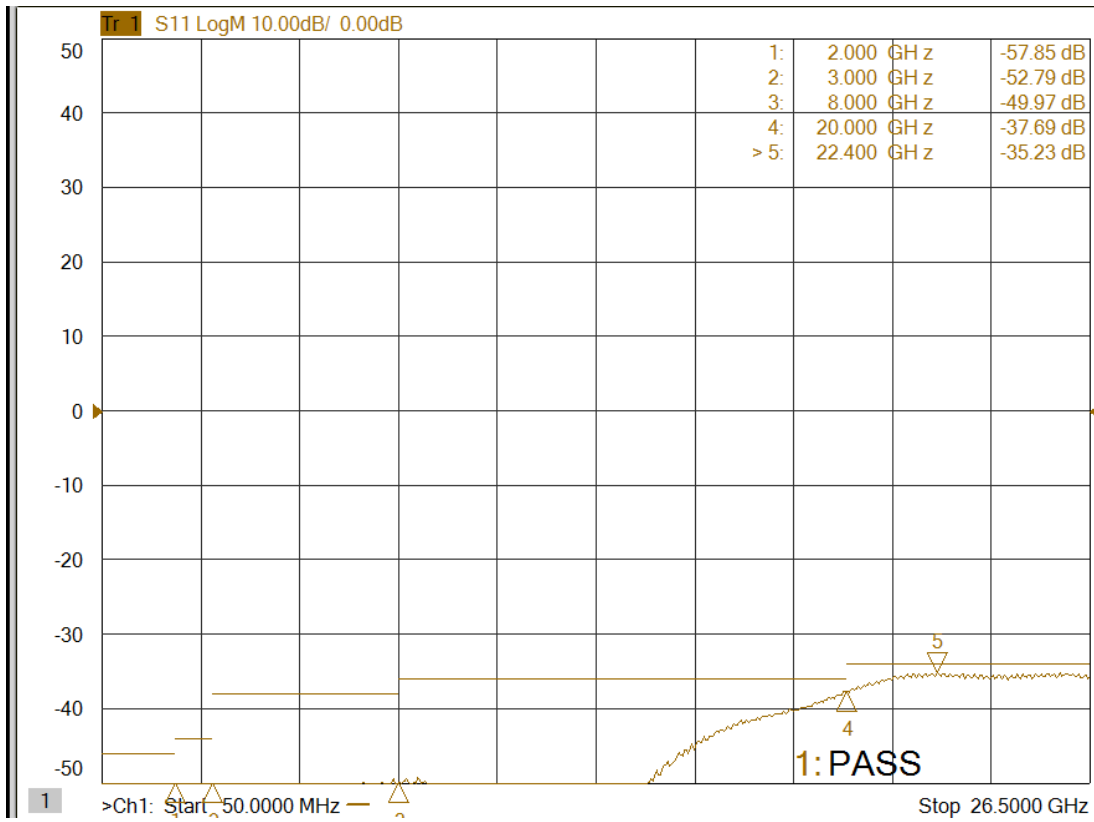
OPEN return loss



SHORT return loss



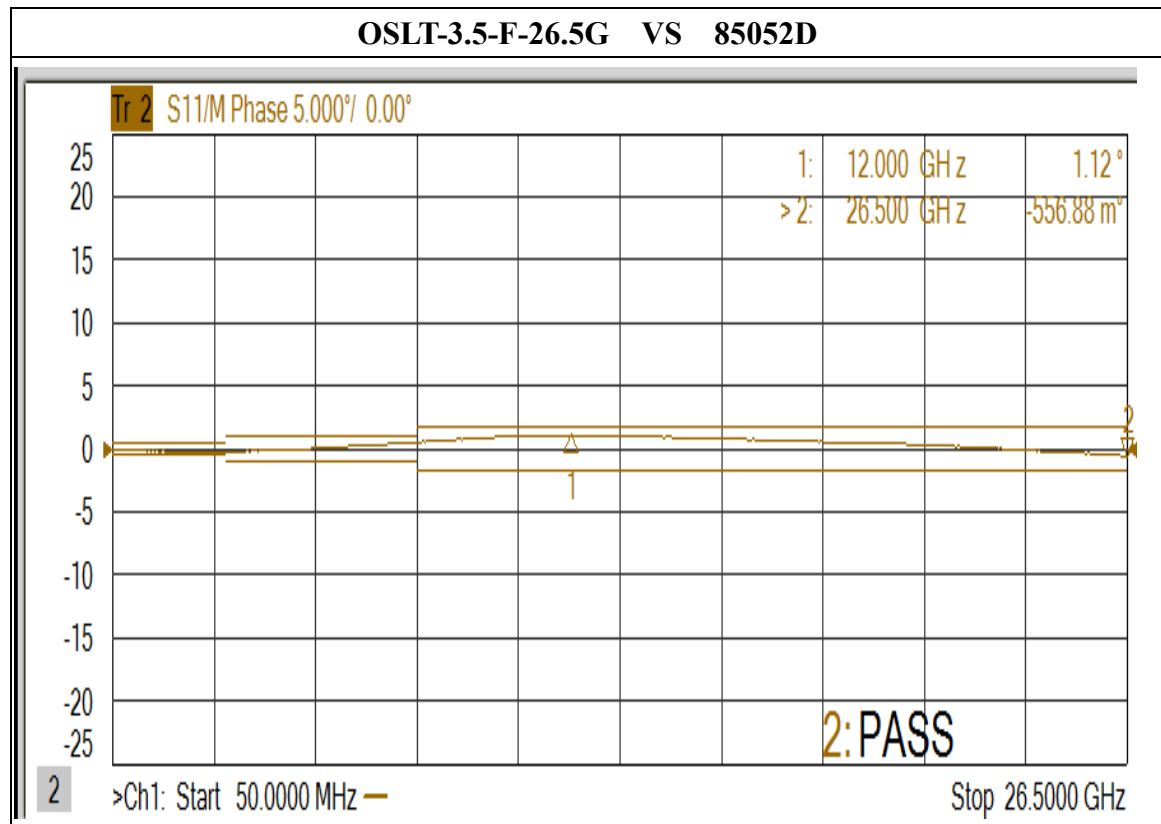
LOAD return loss



PHASE ERROR

1.3

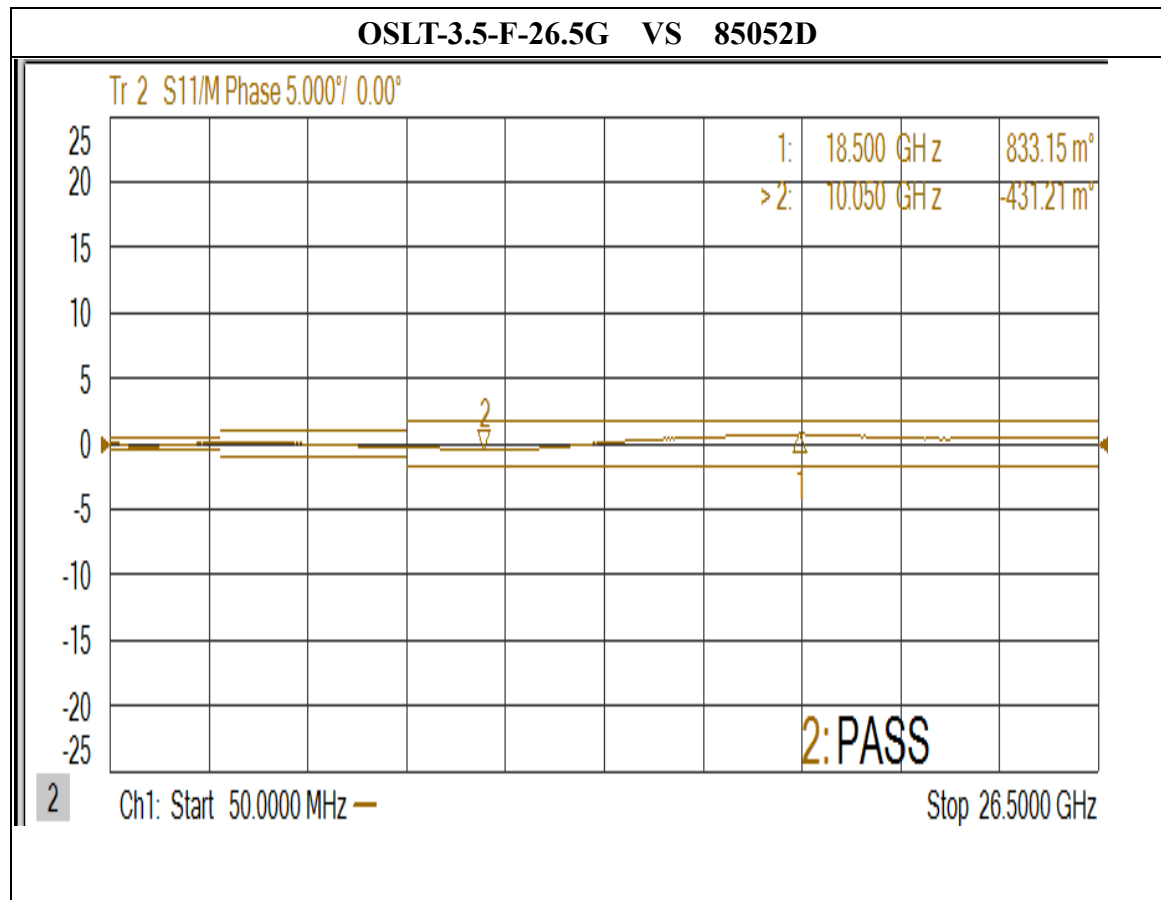
OPEN



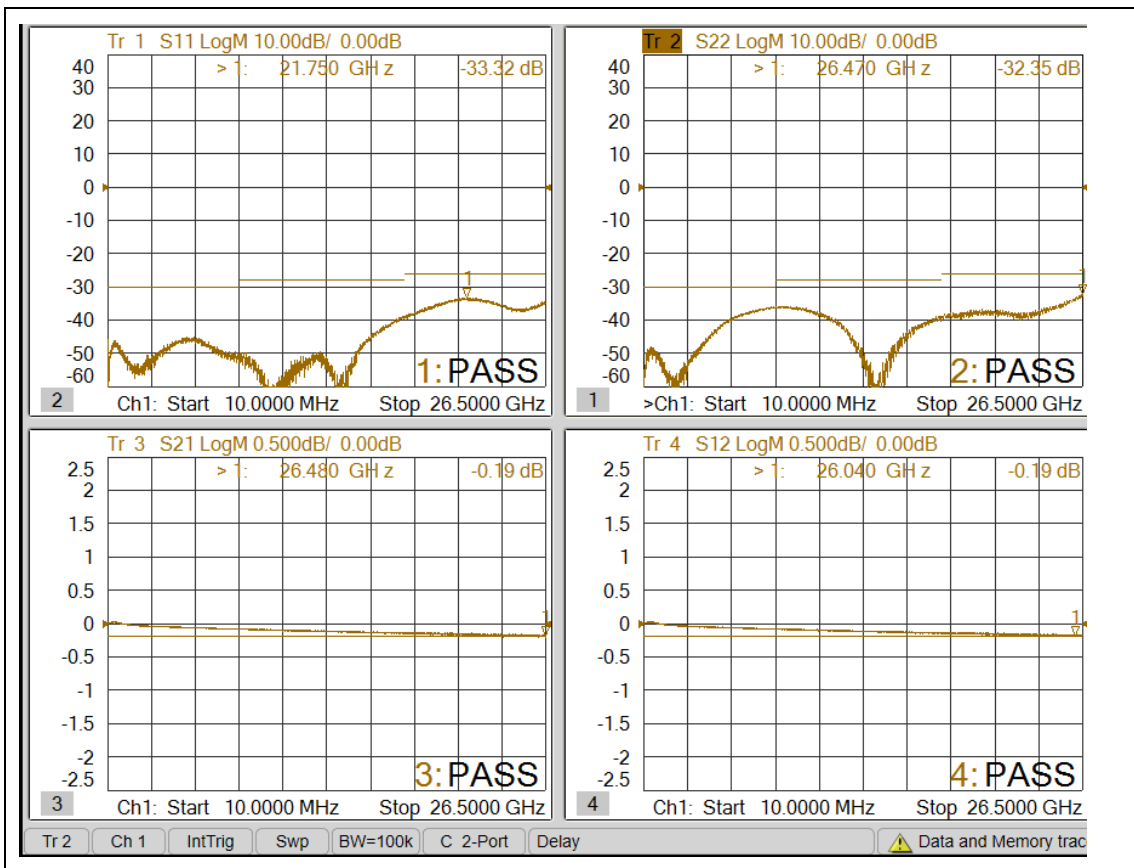
PHASE ERROR

1.4

SHORT



Thru male-male insertion & return loss

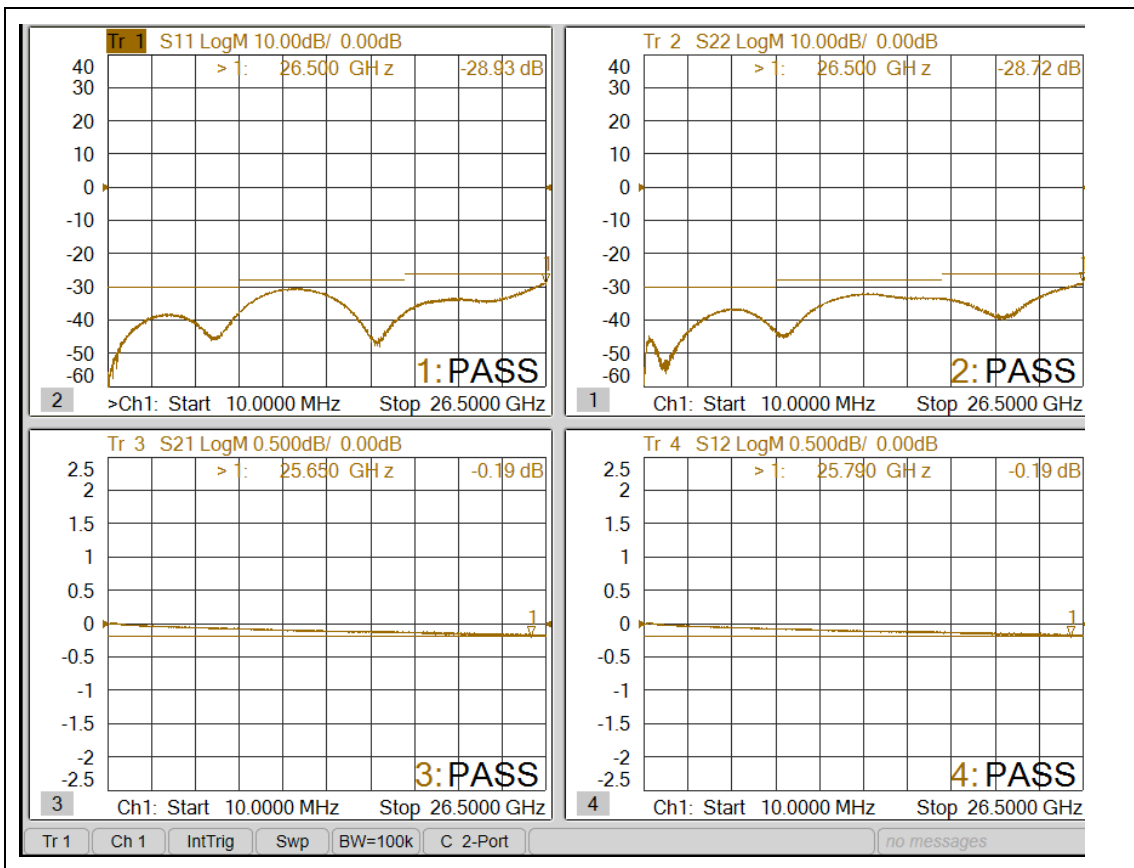


Thru male-male electrical length: 21.90mm

TH-3.5-MF-26.5G

1.6

Thru male-female insertion & return loss

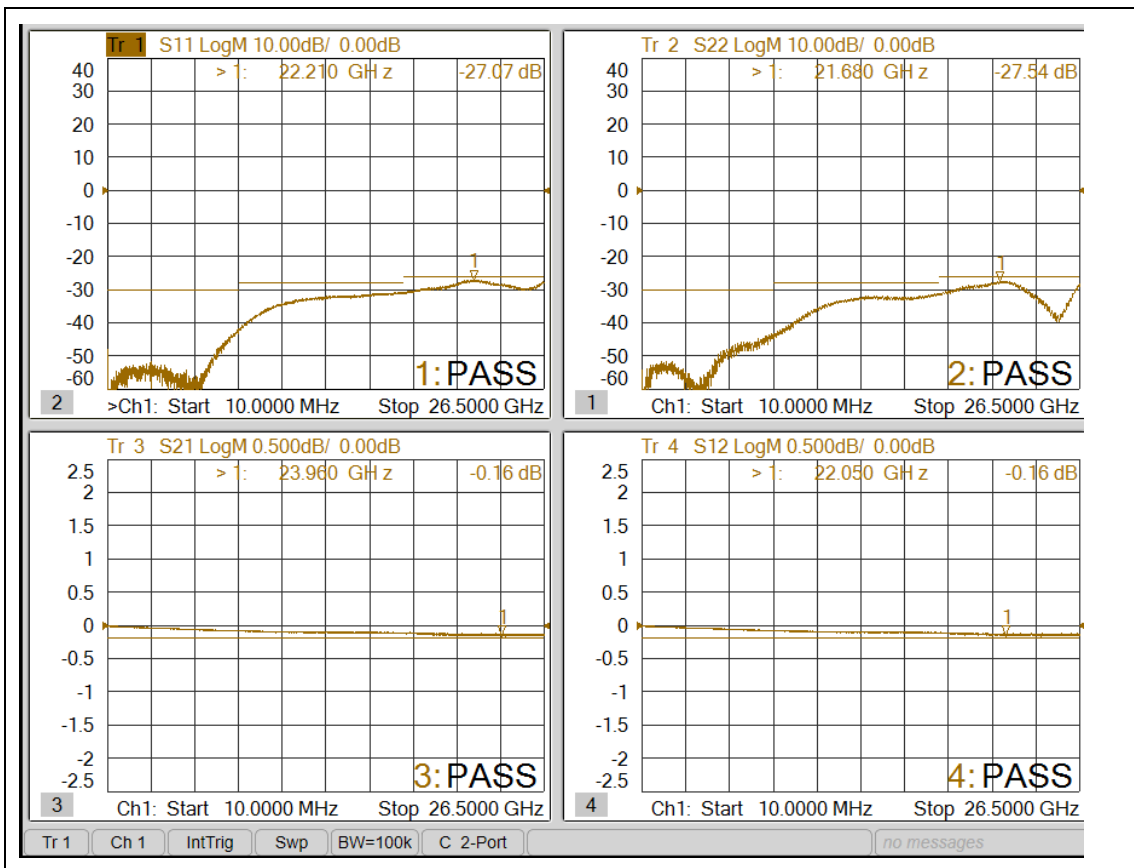


Thru male-female electrical length: 21.90mm

TH-3.5-FF-26.5G

1.7

Thru female-female insertion & return loss



Thru female-female electrical length: 21.90mm