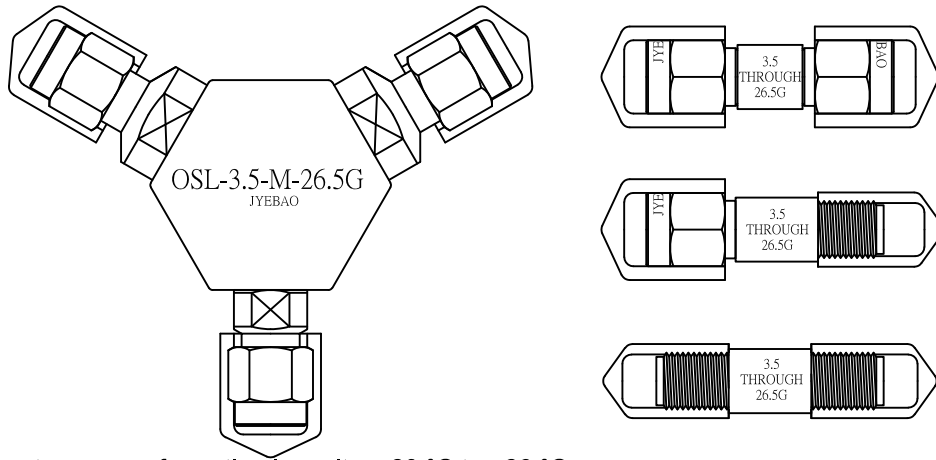


OSLT-3.5-M-26.5G

3.5mm Plug 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 | 2.0765 |
| 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 | | | | | DC-3GHz | | | | |
| 3-8GHz | | | | | 3-8GHz | | | | |
| 8-26.5GHz | | | | | 8-26.5GHz | | | | |
| ≤0.65° | | | | | ≤0.5° | | | | |
| ≤1.2° | | | | | ≤1° | | | | |
| ≤2° | | | | | ≤1.75° | | | | |
| Return Loss | | | | | Return Loss | | | | |
| DC-8GHz | | | | | DC-8GHz | | | | |
| 8-20GHz | | | | | 8-20GHz | | | | |
| 20-26.5GHz | | | | | 20-26.5GHz | | | | |
| ≤0.10dB | | | | | ≤0.10dB | | | | |
| ≤0.15dB | | | | | ≤0.15dB | | | | |
| ≤0.20dB | | | | | ≤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 |

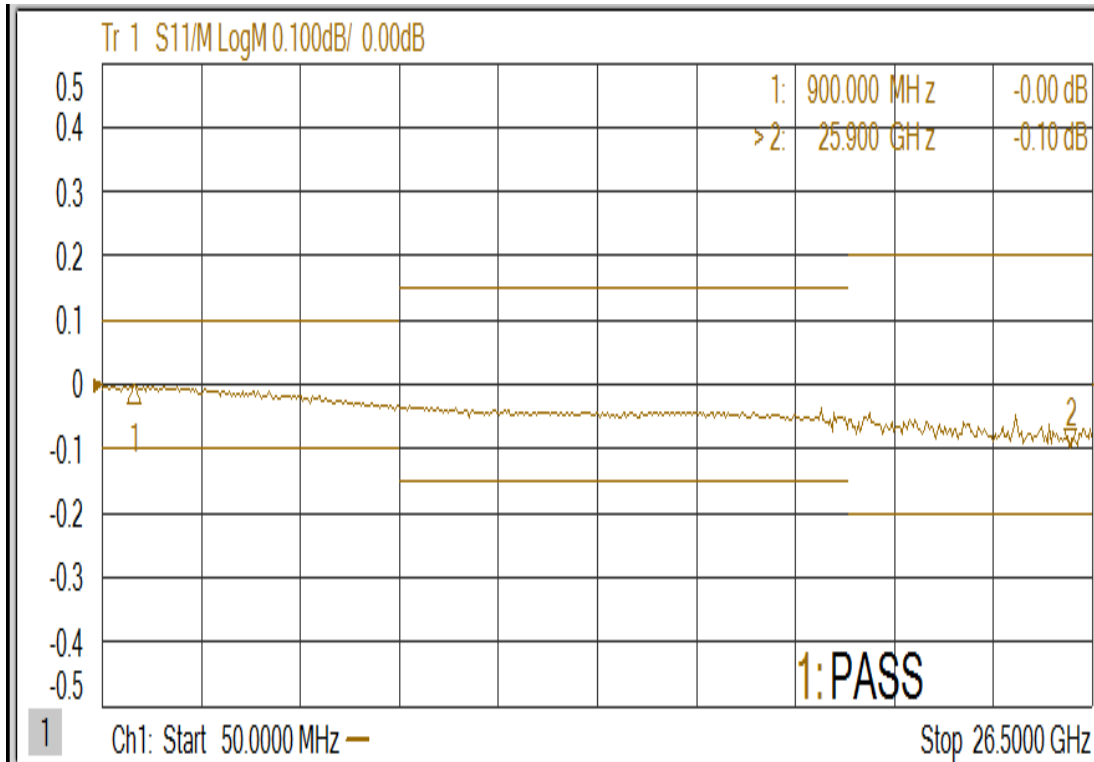
| Through Adaptor | | |
|-------------------|---------------|-------|
| Frequency Range | DC-26.5GHz | |
| Impedance | 50Ω | |
| Insertion Loss | ≤0.2dB | |
| Electrical Length | 21.9+/-0.12mm | |
| Return Loss | DC-8GHz | ≥30dB |
| | 8-18GHz | ≥28dB |
| | 18-26.5GHz | ≥26dB |

| 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 | |

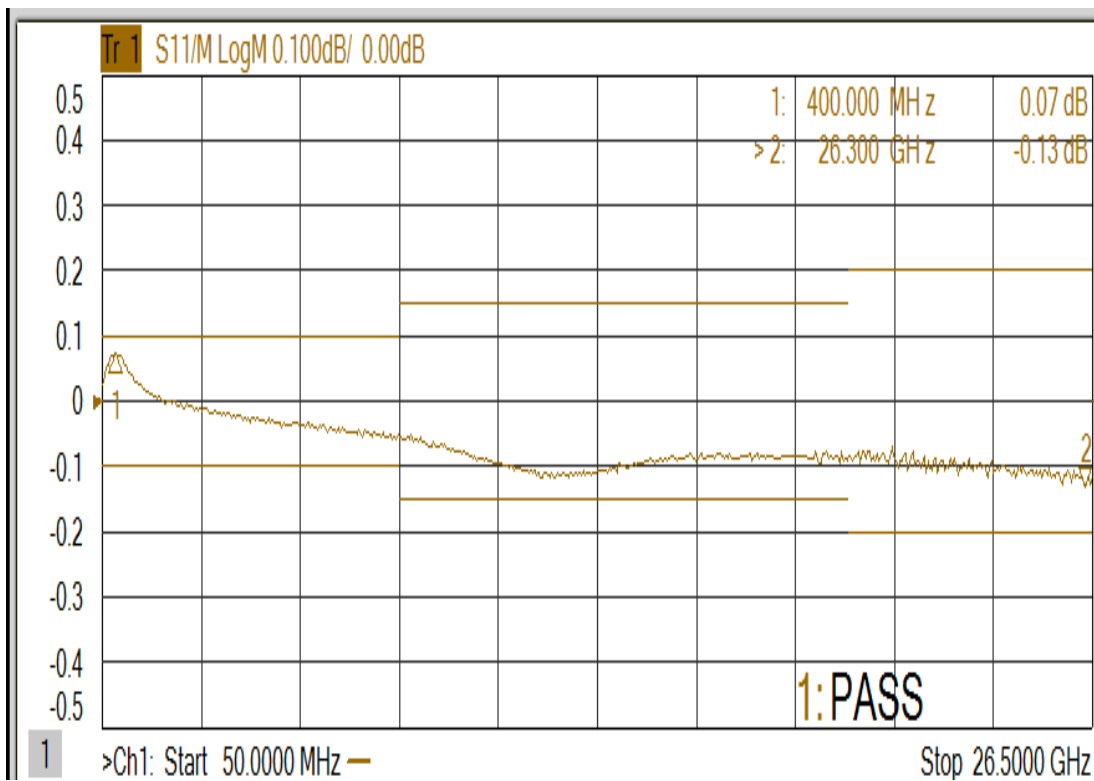
This part number complies with RoHS.

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

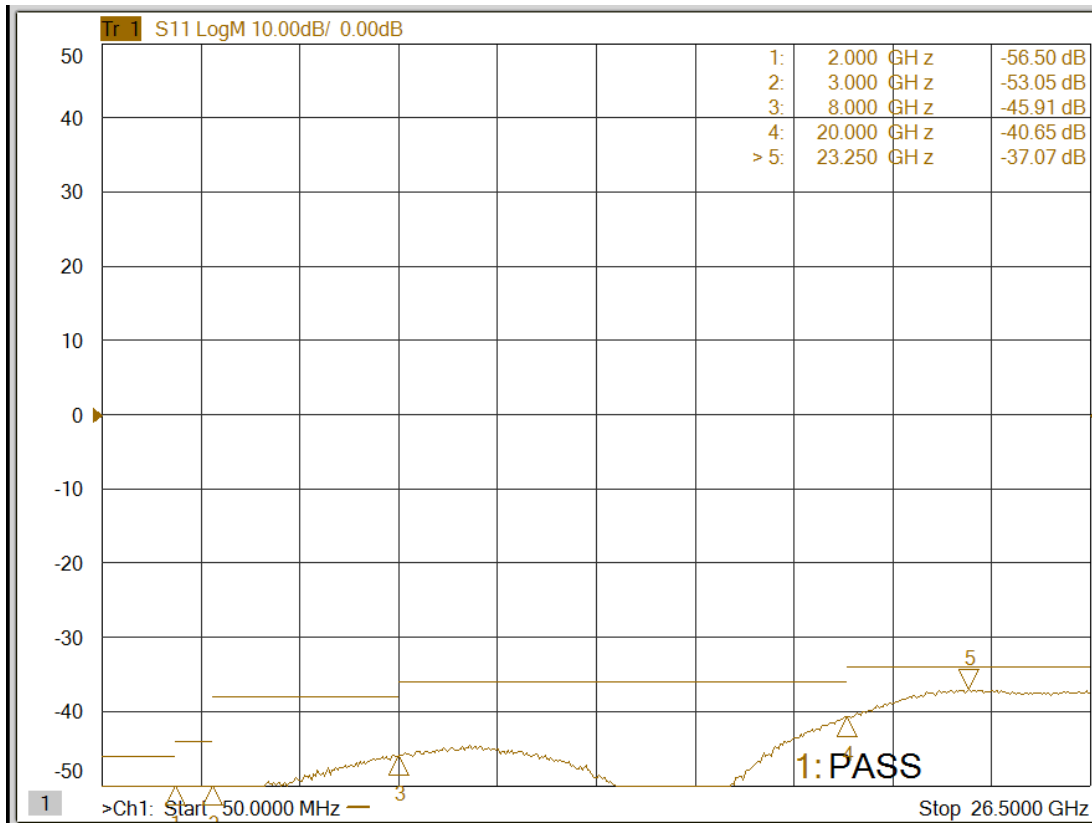
OPEN return loss



SHORT return loss



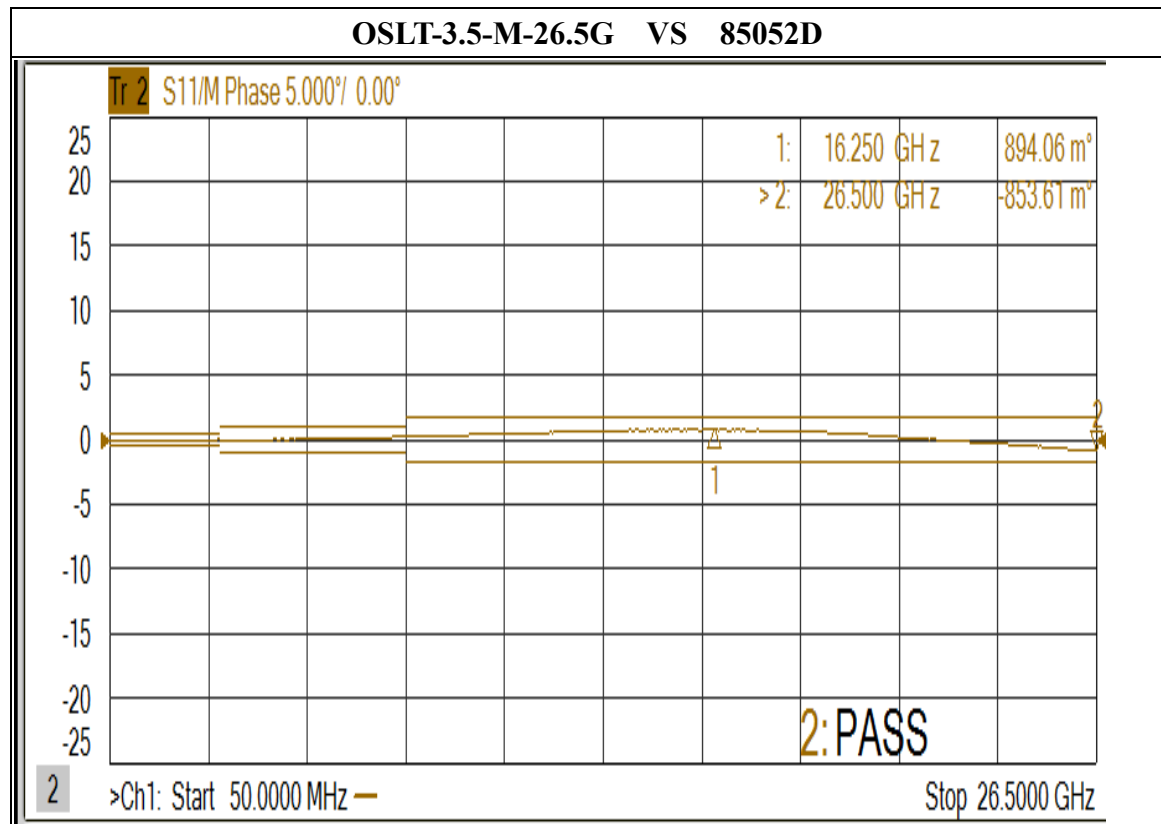
LOAD return loss



PHASE ERROR

1.3

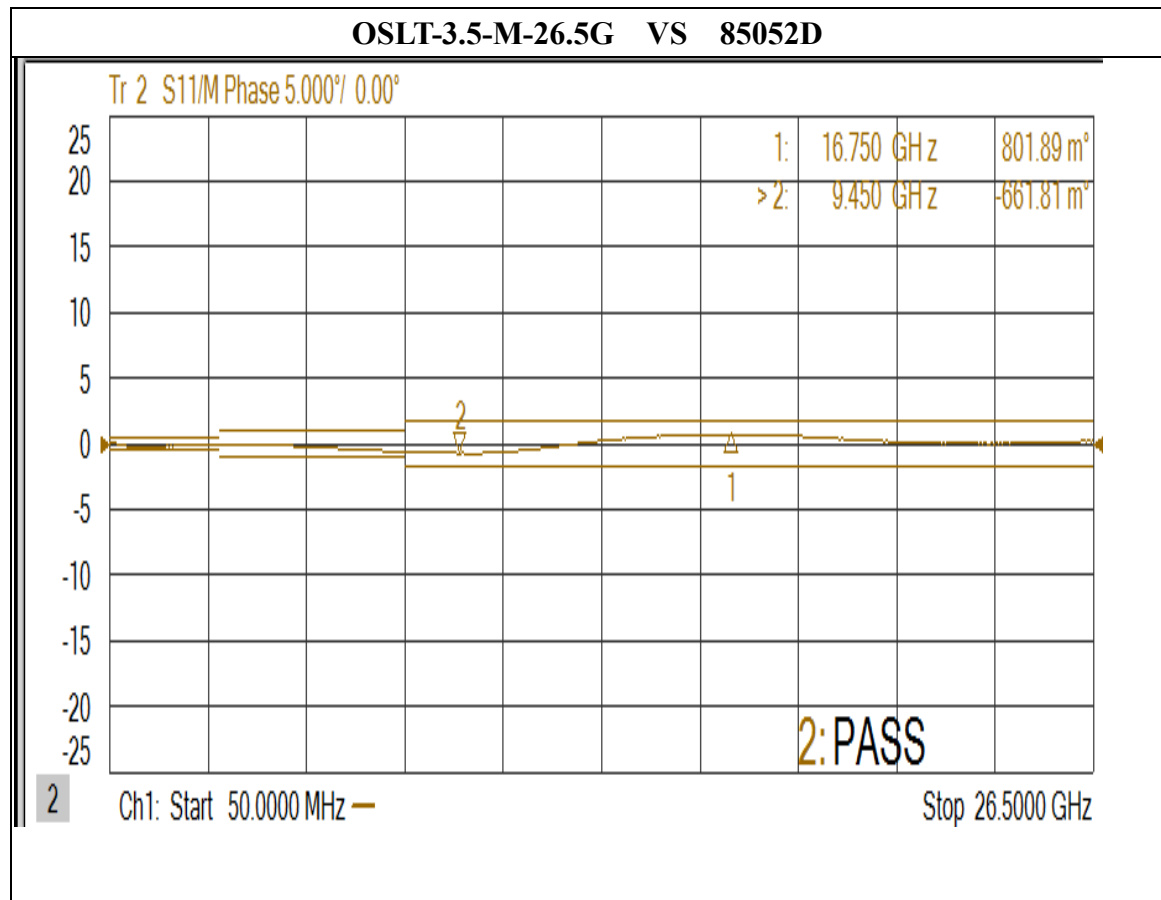
OPEN



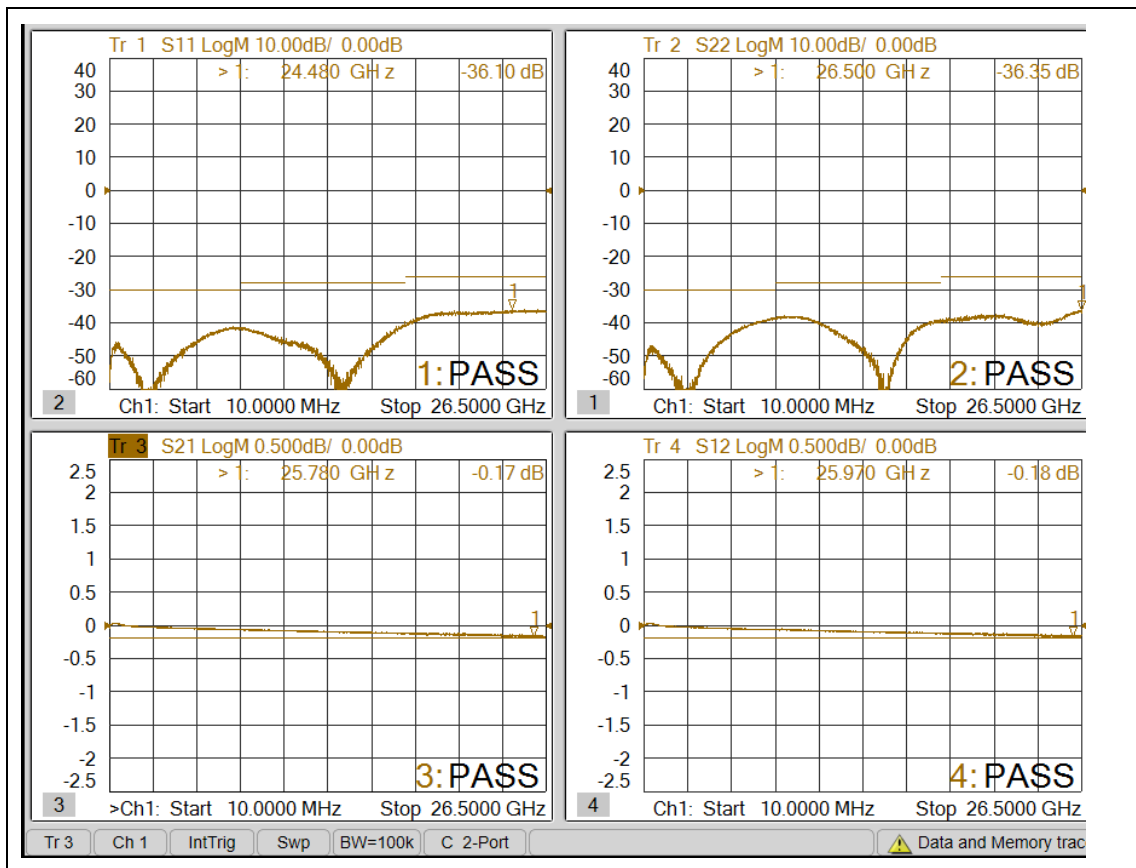
PHASE ERROR

1.4

SHORT



Thru male-male insertion & return loss

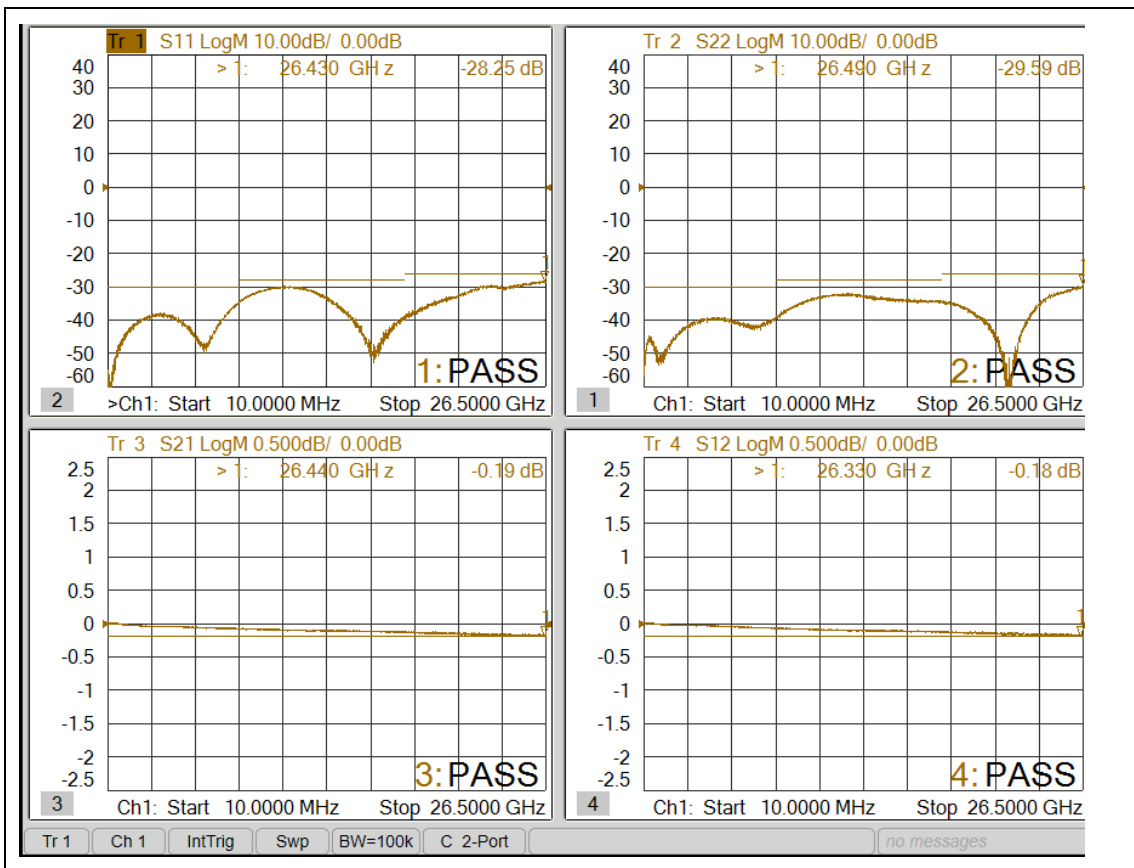


Thru male-male electrical length: 21.90mm

TH-3.5-MF-26.5G

1.6

Thru male-female insertion & return loss

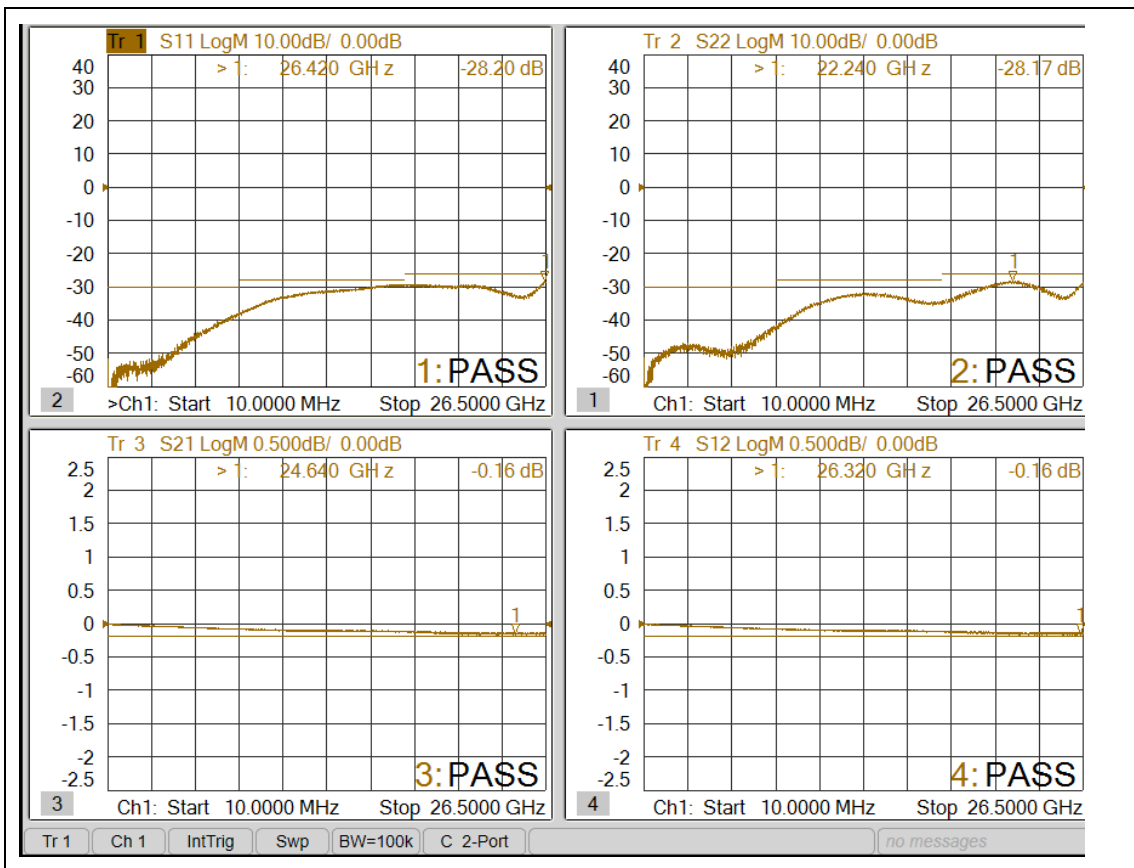


Thru male-female electrical length: 21.90mm

TH-3.5-FF-26.5G

1.7

Thru female-female insertion & return loss



Thru female-female electrical length: 21.90mm