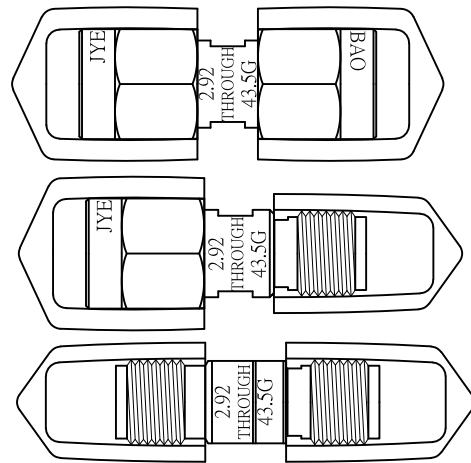
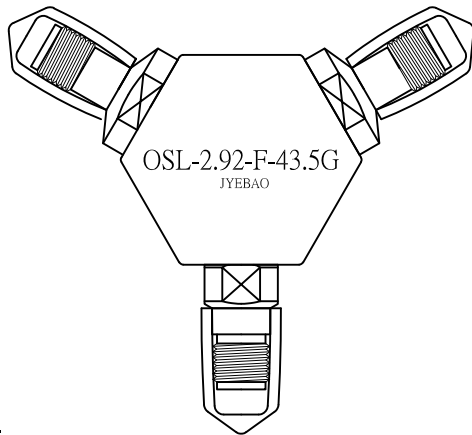


OSLT-2.92-F-43.5G

2.92mm Jack 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 | | Rohde&Schwarz | | Offset length | Agilent | | Rohde&Schwarz | | |
| | 16.70ps | 5.01mm | 5.01mm | 5.01mm | | 16.70ps | 5.01mm | 5.01mm | 5.01mm | |
| Capacitance | Agilent/Anritsu | | Rohde&Schwarz | | Inductance | Agilent/Anritsu | | Rohde&Schwarz | | |
| | C0 | (1E-15) F | 5.000 | fF | | 5.0000000 | L0 | (1E-12) H | 8.000 | pH |
| | C1 | (1E-27) F/Hz | 0.000 | fF/GHz | 0.0000000 | L1 | (1E-24) H/Hz | -995.000 | pH/GHz | -0.9950000 |
| | C2 | (1E-36) F/Hz ² | 1.500 | fF/GHz ² | 0.0015000 | L2 | (1E-33) H/Hz ² | 33.000 | pH/GHz ² | 0.0330000 |
| | C3 | (1E-45) F/Hz ³ | 0.100 | fF/GHz ³ | 0.0001000 | L3 | (1E-42) H/Hz ³ | -0.290 | pH/GHz ³ | -0.0002900 |
| 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.

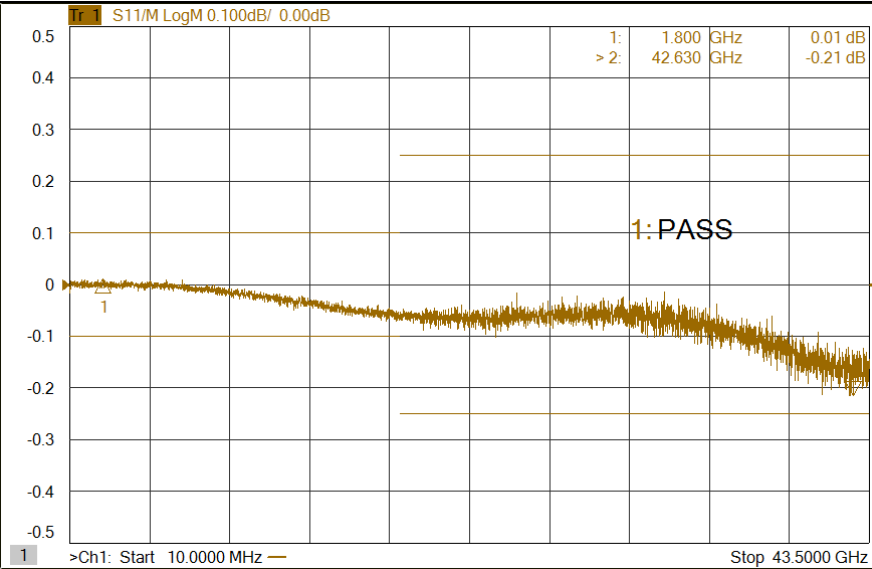
Test equipment

N5227B NETWORK ANALYZER

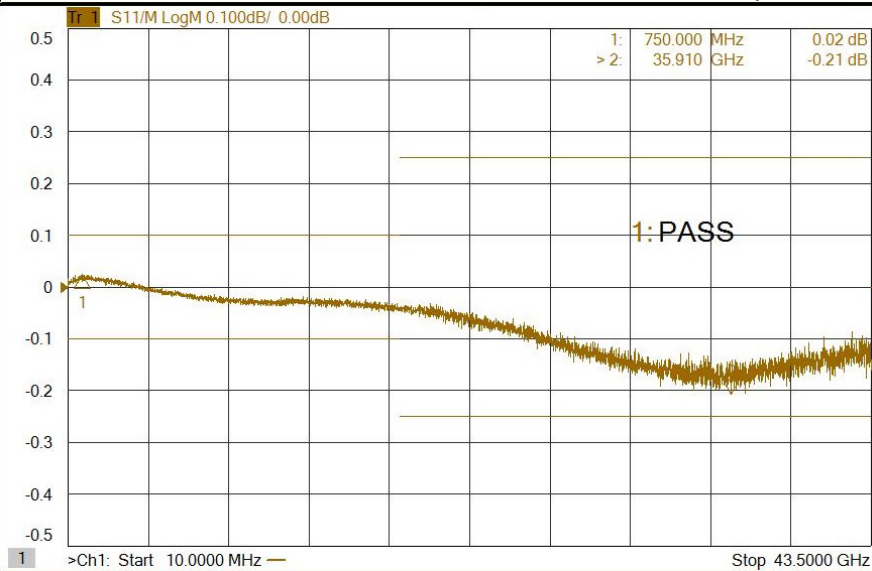
Return Loss

OSLT-2.92-F-43.5G test result

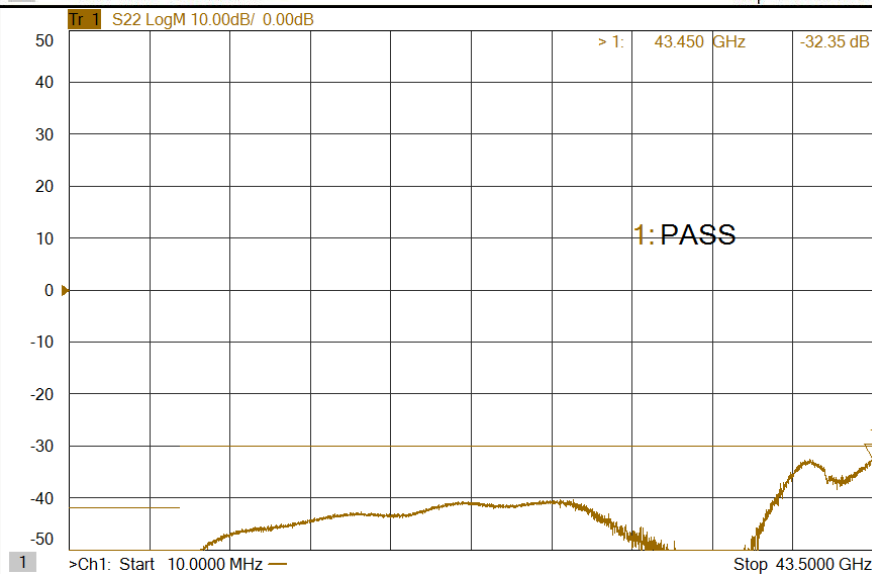
Open



Short



Load



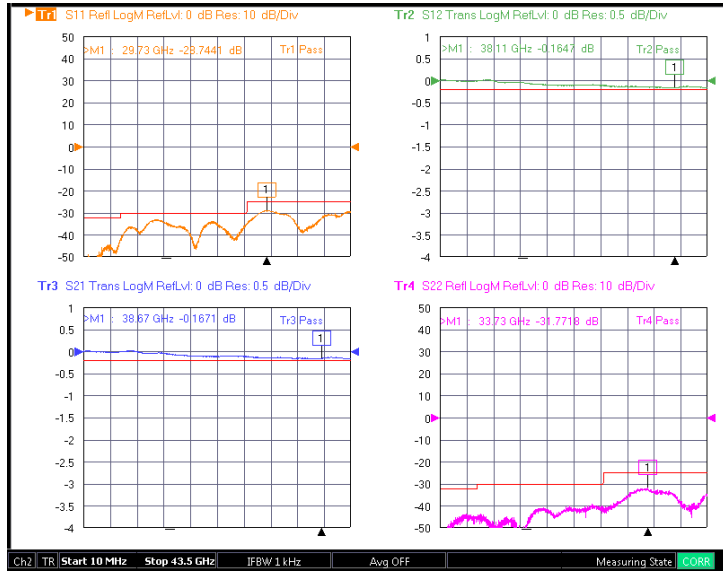
Test equipment

MS4647B NETWORK ANALYZER

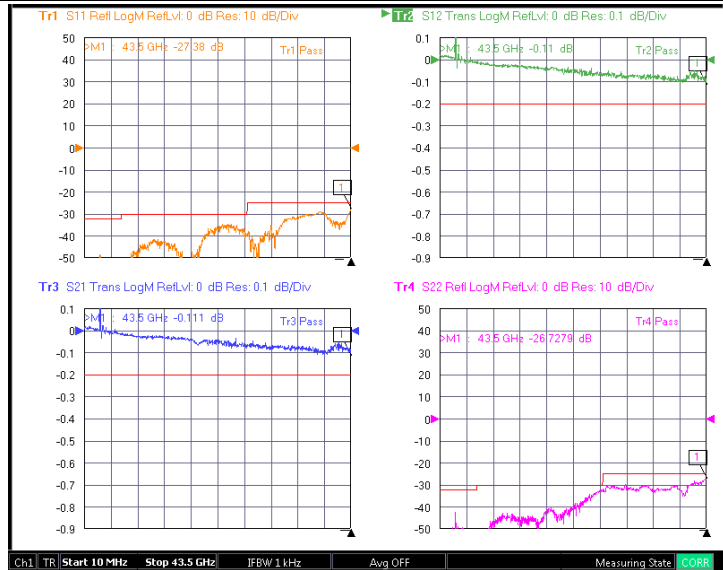
Return Loss

test result

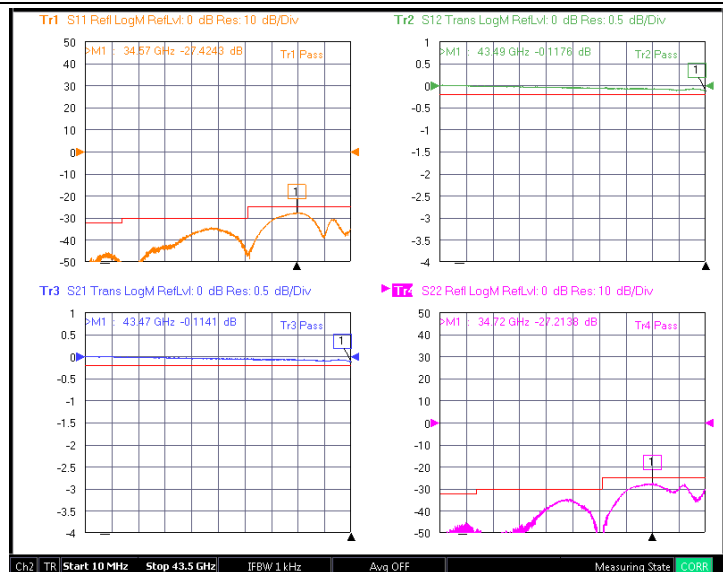
TH-2.92-MM-43.5G



TH-2.92-MF-43.5G



TH-2.92-FF-43.5G



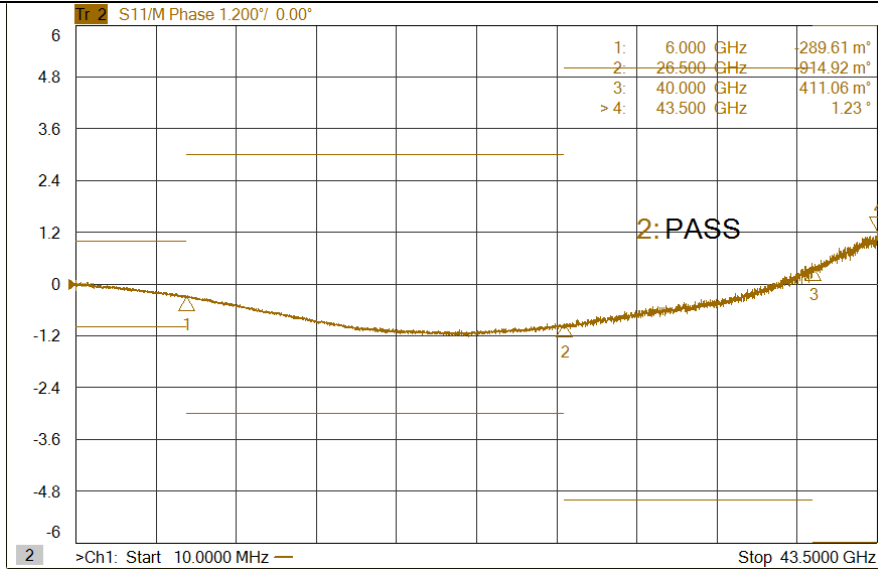
Test equipment

N5227B NETWORK ANALYZER

Phase error

TOSLK50A-43.5 VS OSLT-2.92-F-43.5G

Open



Short

