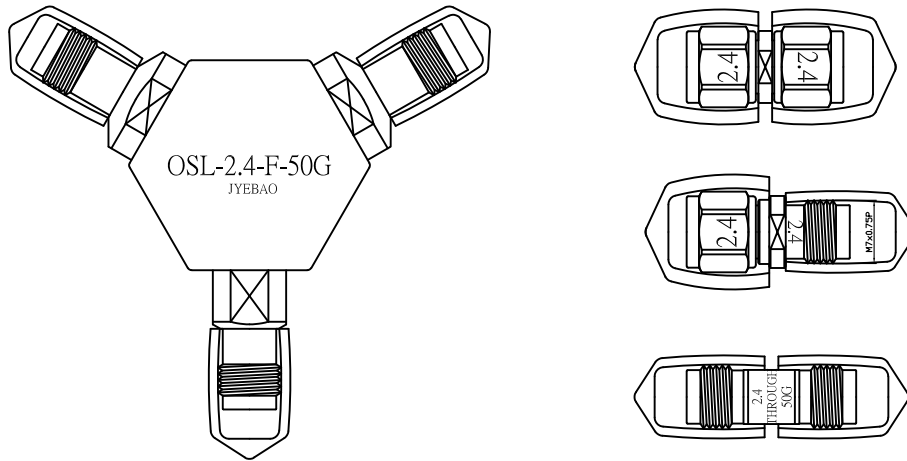


OSLT-2.4-F-50G

2.4mm Jack Open Short Load Through 50GHz 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

| OPEN | | | |
|------------------------------|------------|---------------------|---------|
| FREQUENCY RANGE | | DC-50GHz | |
| IMPEDANCE | | 50Ω | |
| OFFSET LENGTH | | | |
| AGILENT | ANRITSU | ROHDE&SCHWARZ | |
| 20.837ps | 6.2511mm | 6.2511mm | |
| CAPACITANCE | | | |
| AGILENT/ANRITSU | | ROHDE&SCHWARZ | |
| C0 (1E-15) F | 29.720 | ff | 29.720 |
| C1 (1E-27) F/Hz | 165.780 | ff/GHz | 0.1658 |
| C2 (1E-36) F/Hz ² | -3.539 | ff/GHz ² | -0.0035 |
| C3 (1E-45) F/Hz ³ | 0.071 | ff/GHz ³ | 0.0001 |
| PHASE ERROR | DC-10GHz | ≤ 2° | |
| | 10-26.5GHz | ≤ 3° | |
| | 26.5-50GHz | ≤ 4° | |
| RETURN LOSS | DC-10GHz | ≤ 0.10dB | |
| | 10-26.5GHz | ≤ 0.20dB | |
| | 26.5-50GHz | ≤ 0.30dB | |

| SHORT | | | |
|-----------------------------|------------|---------------------|---------|
| FREQUENCY RANGE | | DC-50GHz | |
| IMPEDANCE | | 50Ω | |
| OFFSET LENGTH | | | |
| AGILENT | ANRITSU | ROHDE&SCHWARZ | |
| 22.548ps | 6.7644mm | 6.7644mm | |
| INDUCTANCE | | | |
| AGILENT/ANRITSU | | ROHDE&SCHWARZ | |
| L0 (1E-12)H | 2.164 | pH | 2.164 |
| L1 (1E-24)H/Hz | -146.350 | pH/GHz | -0.1464 |
| L2 (1E-33)H/Hz ² | 4.044 | pH/GHz ² | 0.0040 |
| L3 (1E-42)H/Hz ³ | -0.036 | pH/GHz ³ | 0.0000 |
| PHASE ERROR | DC-10GHz | ≤ 2° | |
| | 10-26.5GHz | ≤ 3° | |
| | 26.5-50GHz | ≤ 4° | |
| RETURN LOSS | DC-10GHz | ≤ 0.10dB | |
| | 10-26.5GHz | ≤ 0.20dB | |
| | 26.5-50GHz | ≤ 0.25dB | |

| LOAD | | |
|-----------------|------------|----------|
| FREQUENCY RANGE | | DC-50GHz |
| IMPEDANCE | | 50Ω |
| DC RESISTANCE | | 50±0.25Ω |
| MAX POWER | | 0.25W |
| RETURN LOSS | DC-4GHz | ≥ 38dB |
| | 4-20GHz | ≥ 30dB |
| | 20-26.5GHz | ≥ 26dB |
| | 26.5-50GHz | ≥ 23dB |

| THROUGH ADAPTOR | | |
|------------------------|------------|-----------|
| FREQUENCY RANGE | | DC-50GHz |
| IMPEDANCE | | 50Ω |
| INSERTION LOSS | | ≤ 0.30dB |
| ELECTRICAL LENGTH (mm) | | 13.0±0.12 |
| RETURN LOSS | DC-4GHz | ≥ 30dB |
| | 4-26.5GHz | ≥ 26dB |
| | 26.5-50GHz | ≥ 23dB |

| Parts | Material | Plating (Micro-inch) |
|---------------------------------------------------|------------------|-------------------------------------------------------|
| Housing | Aluminium | Anodized (Green) |
| Cap | PVC | |
| Body (open/short/load/through adaptors) | Stainless Steel | Passivated |
| Contact pin (open/short/load/through adaptors) | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Dielectric (open) | PS | |
| Dielectric (load/through adaptors) | PPO | |

This part number complies with RoHS.

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