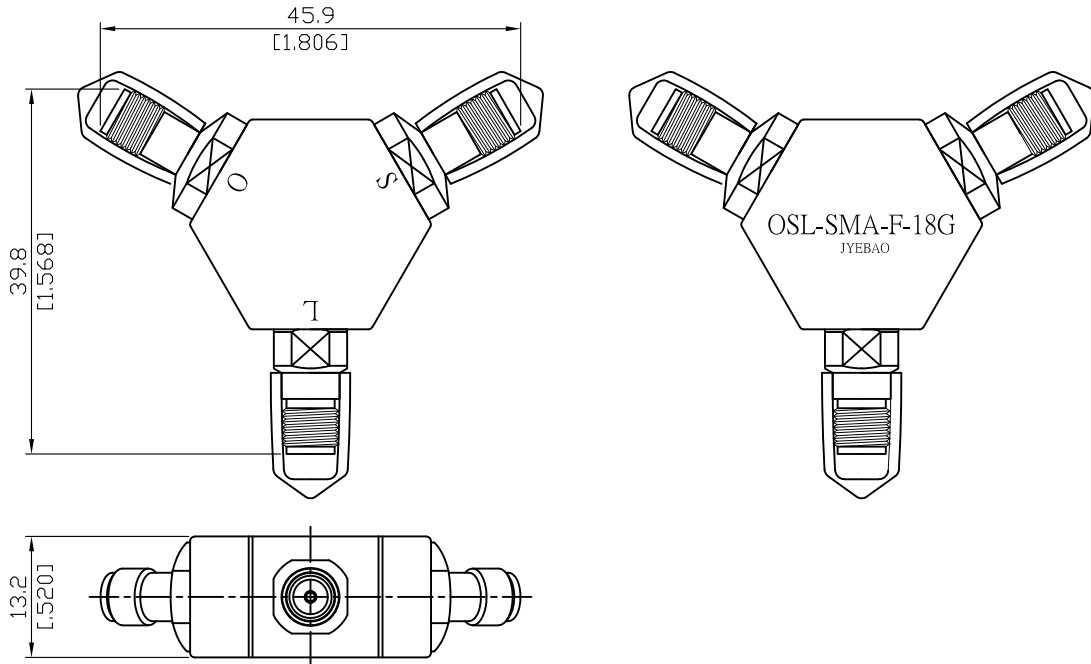


OSL-SMA-F-18G

SMA Jack Open Short Load 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 | |
| | 16.70ps | 5.01mm | 5.01mm | | | 16.70ps | 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 |
| 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° | | |
| 6-18GHz | | ≤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 | | |
|-----------------|------------|--------|
| Frequency Range | DC-18GHz | |
| Impedance | 50Ω | |
| DC Resistance | 50 ± 0.50Ω | |
| Max Power | 0.25W | |
| Return Loss | DC-6GHz | ≥42dB |
| | 6-18GHz | ≥30 dB |

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)

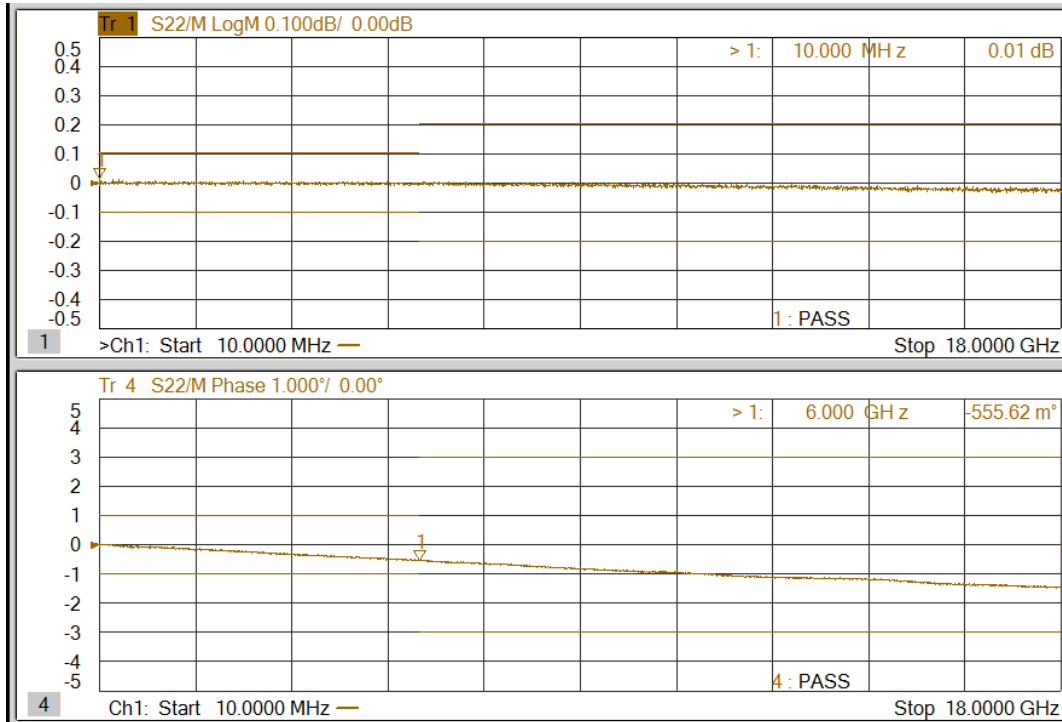
| Parts | Material | Plating (Micro-inch) |
|-----------------------------|------------------|--|
| Housing | Aluminium | Anodized (Green) |
| Cap | PVC | |
| Body open/short/load | Stainless Steel | Passivated |
| Contact pin open/short/load | Beryllium Copper | Gold 4 Over Nickel Phosphorous Alloy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

This part number complies with RoHS.

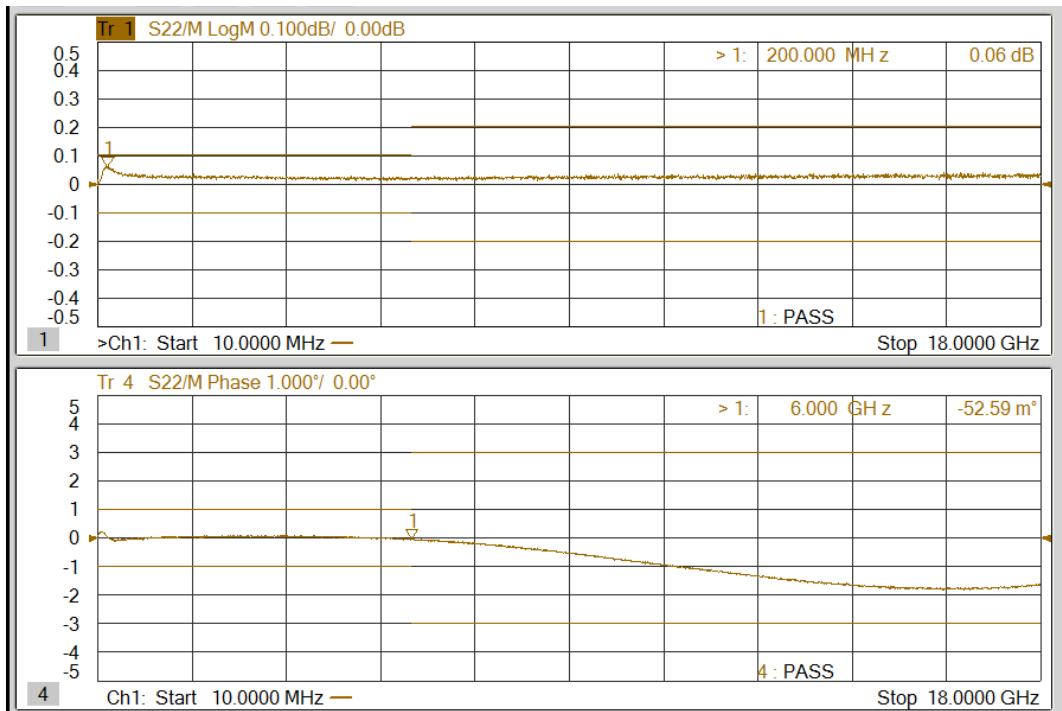
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

OSL-SMA-F-18G

OPEN return loss & phase error



SHORT return loss & phase error



LOAD return loss

