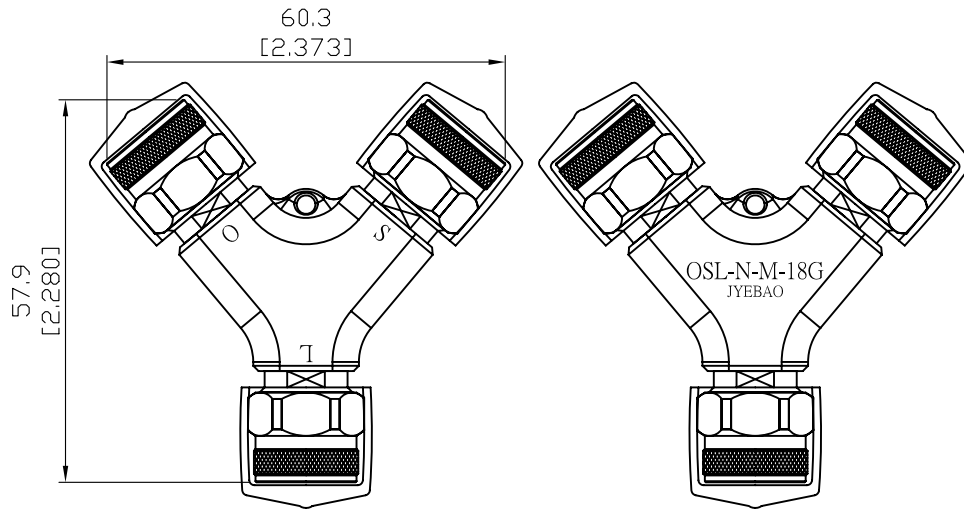


OSL-N-M-50-18G

N Plug 50ohm 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 |                     |           |
|                 | 59.44ps                   | 17.83mm   | 17.83mm             |                 | 59.44ps         | 17.83mm                   | 17.83mm       |                     |           |
| Capacitance     | Agilent/Anritsu           |           | Rohde&Schwarz       | Inductance      | Agilent/Anritsu |                           | Rohde&Schwarz |                     |           |
|                 | C0                        | (1E-15) F | 4.000 fF            |                 | 4.0000000       | L0                        | (1E-12) H     | 0.000 pH            | 0.0000000 |
| C1              | (1E-27) F/Hz              | 200.000   | fF/GHz              | 0.2000000       | L1              | (1E-24) H/Hz              | 0.000         | pH/GHz              | 0.0000000 |
| C2              | (1E-36) F/Hz <sup>2</sup> | 0.000     | fF/GHz <sup>2</sup> | 0.0000000       | L2              | (1E-33) H/Hz <sup>2</sup> | 0.000         | pH/GHz <sup>2</sup> | 0.0000000 |
| C3              | (1E-45) F/Hz <sup>3</sup> | 1.100     | fF/GHz <sup>3</sup> | 0.0011000       | L3              | (1E-42) H/Hz <sup>3</sup> | 0.000         | pH/GHz <sup>3</sup> | 0.0000000 |
| Phase Error     | DC-6GHz                   |           |                     | Phase Error     | DC-6GHz         |                           |               |                     |           |
|                 | ≤1.5°                     |           |                     |                 | ≤1.5°           |                           |               |                     |           |
|                 | 6-18GHz                   |           |                     |                 | 6-18GHz         |                           |               |                     |           |
|                 | <3°                       |           |                     |                 | <3°             |                           |               |                     |           |
| Return Loss     | DC-6GHz                   |           |                     | Return Loss     | DC-6GHz         |                           |               |                     |           |
|                 | ≤0.10dB                   |           |                     |                 | ≤0.10dB         |                           |               |                     |           |
|                 | 6-18GHz                   |           |                     |                 | 6-18GHz         |                           |               |                     |           |
|                 | ≤0.20dB                   |           |                     |                 | ≤0.20dB         |                           |               |                     |           |

| Load            |            |        |
|-----------------|------------|--------|
| Frequency Range | DC-18Ghz   |        |
| Impedance       | 50Ω        |        |
| DC Resistance   | 50 ± 0.50Ω |        |
| Max Power       | 1W         |        |
| 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

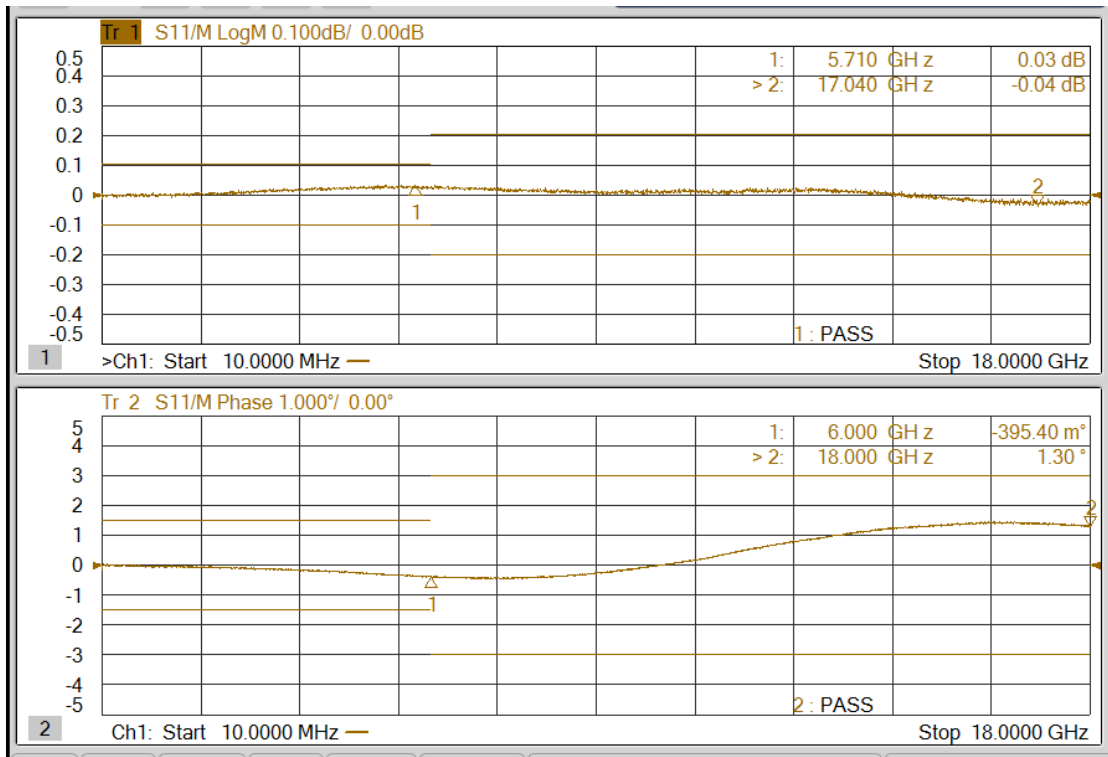
| Parts                             | Material         | Plating ( Micro-inch )                                    |
|-----------------------------------|------------------|---|
| Housing                           | Aluminium        | Anodized (Green)  |
| Cap                               | PVC              |   |
| Body<br>open/ short/ load         | Brass            | Tin-Zinc-Copper-Alloy 100 Over Copper 50                  |
| Contact pin<br>open/ short/ load  | Beryllium Copper | Gold 4 Over Nickel Phosphorous Alloy 80<br>Over Copper 20 |
| Dielectric<br>open/ load          | PPO              |   |
| Coupling Nut<br>open/ short/ load | Stainless Steel  | Passivated  |

This part number complies with RoHS.

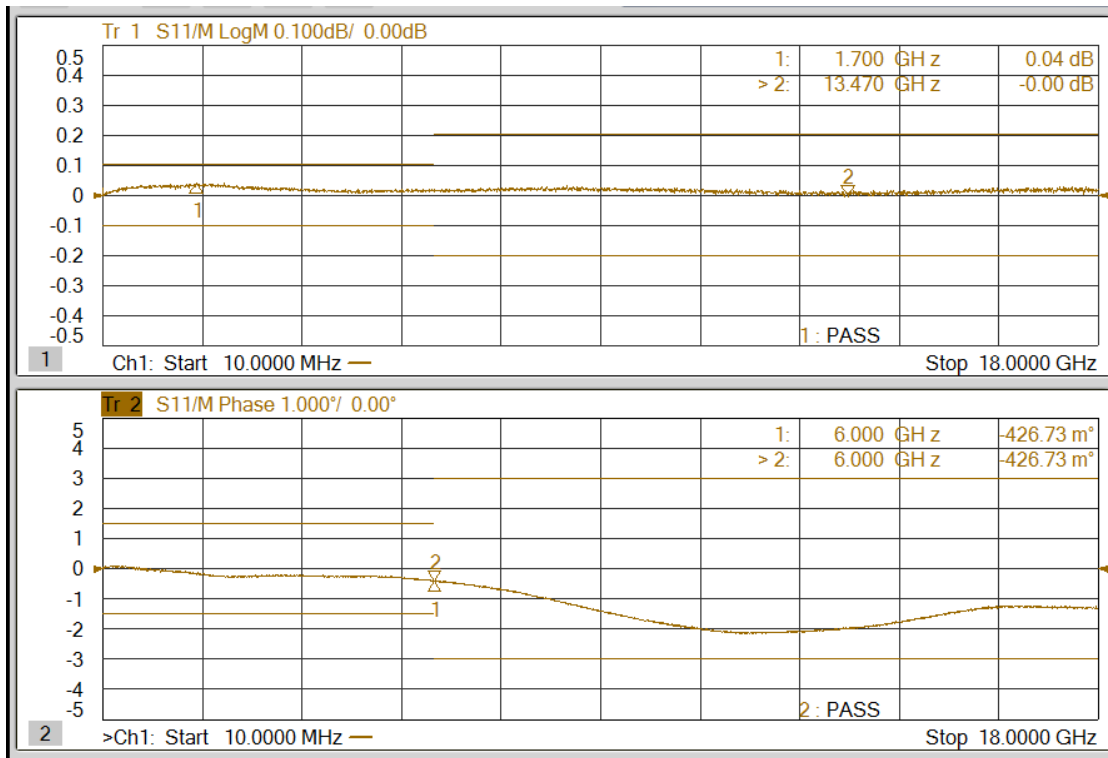
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

# OSL-N-M-50-18G

## OPEN return loss & phase error



## SHORT return loss & phase error



# LOAD return loss

