

Technical Data Sheet

2000-1618-R Calibration Kit Type 7/16(m) DC to 6 GHz, 50 Ω



This calibration kit has been designed to provide superior measurement results when used with precision instruments. It is designed for use in field environments. It is a high precision component and should be handled with proper care. Excessive shock, torque, or power should be avoided to prevent permanent damage.

Specifications are guaranteed under the following conditions:

- Unit is operated within specified temperature range.
- Unit has not been subjected to damage from mishandling.

Length, capacitance, and inductance are nominal values.

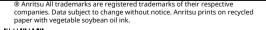
Open and Short Phase and DC Resistance specifications are typical.

| Operating Temperature Range | 0 °C to +50 °C |
|-----------------------------|------------------|
| Storage Temperature Range | -55 °C to +90 °C |

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2000-1618-R Calibration Kit Specifications

| Open | Spec |
|------------------------------|----------|
| Length | 16.90 mm |
| C0 (1E-15) F | 182 |
| C1 (1E-27) F/Hz | 8 |
| C2 (1E-36) F/Hz ² | 145 |
| C3 (1E-45) F/Hz ³ | 46 |

| Short | Spec |
|------------------------------|----------|
| Length | 19.70 mm |
| L0 (1E-12) H | 0.0 |
| L1 (1E-24) H/Hz | 0.0 |
| L2 (1E-33) H/Hz ² | 0.0 |
| L3 (1E-42) H/Hz ³ | 0.0 |

| Load | Spec |
|------------------------------|--------------|
| DC Resistance | 50 Ω ± 0.5 Ω |
| Return Loss (DC to 4 GHz) | ≥ 35 dB |
| Return Loss (4 GHz to 6 GHz) | ≥ 32 dB |
| Max Power | 1.0 W |

2000-1618-R PN: 11410-01097 Rev. C TDS