

**Technical Data Sheet**

# 2000-1618-R Calibration Kit

Type 7/16(m)  
DC to 6 GHz, 50  $\Omega$



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:

1. Unit is operated within specified temperature range.
2. 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.

<b>Operating Temperature Range</b>	0 °C to +50 °C
<b>Storage Temperature Range</b>	-55 °C to +90 °C

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2000-1618-R Calibration Kit TDS  
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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 <sup>2</sup>	145
C3 (1E-45) F/Hz <sup>3</sup>	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 <sup>2</sup>	0.0
L3 (1E-42) H/Hz <sup>3</sup>	0.0

Load	Spec
DC Resistance	50 $\Omega$ $\pm$ 0.5 $\Omega$
Return Loss (DC to 4 GHz)	$\geq$ 35 dB
Return Loss (4 GHz to 6 GHz)	$\geq$ 32 dB
Max Power	1.0 W