

Your calibration kit has been designed to withstand a moderate amount of physical stress. However, to retain its high precision performance you should treat it with care and prevent any mechanical shock.

It can be damaged if excessive force is applied to the connectors. Such a damage is considered as an abuse of the cal kit and will void the warranty when verified by our service professionals. When the kit is not in use, mount protective caps on the connectors such as the ones which came with the kit.

Store the kit in a shock-resistant environment.

Type-N connectors may be connected finger tight. If a torque wrench is used, 12 lb-inch (136 N-cm) is recommended. For information on service and recertification go to

<http://www.keysight.com/find/serviceprices>

<b>Temperature loading</b>	operating temperature range	+5 °C to +40 °C
	storage temperature range	-40 °C to +70 °C, in line with EN 60068-2-1 and EN 60068-2-2
<b>Recommended inspection interval</b>		1 year

©Keysight Technologies 2014-2015

Edition J | 25. September 2015

Published by:

Keysight Technologies

1400 Fountaingrove Parkway

Santa Rosa, CA 95403

Printed in Germany



85515-90001

# Keysight Cal Kit 85515A Type-N(f) 50 Ω DC to 9 GHz

This information is subject to change without notice.



Standard	Electrical Delay
Through	
female-female	241.167 ps

Standard	Offset Delay
Open	
female	53.531 ps

Standard	Offset Delay
Short	
female	53.444 ps

Standard	DC-Resistance
Load	
female	50 $\Omega$ $\pm$ 0.5 $\Omega$

Standard	Return Loss (typical)		
Through	DC to 4 GHz	4 to 8 GHz	8 to 9 GHz
female-female	$\geq$ 36 dB	$\geq$ 31 dB	$\geq$ 28 dB

Standard	$C0$ E-15 F	$C1$ E-27 F/Hz	$C2$ E-36 F/Hz <sup>2</sup>	$C3$ E-45 F/Hz <sup>3</sup>
Open				
female	-7.725	-2062.7965	1317.455	-112.18

Standard	$L0$ E-12 H	$L1$ E-24 H/Hz	$L2$ E-33 H/Hz <sup>2</sup>	$L3$ E-42 H/Hz <sup>3</sup>
Short				
female	25.3665	-8070.933	932.91	-33.888

Standard	Return Loss (spec)	
Load	DC to 6 GHz	6 to 9 GHz
female	$\geq$ 42 dB	$\geq$ 35 dB

Standard	Insertion Loss (typical)	
Through	DC to 4 GHz	4 to 9 GHz
female-female	$\leq$ 0.05 dB	$\leq$ 0.1 dB

Standard	Deviation from Nominal Phase (spec)	
Open	DC to 4 GHz	4 to 9 GHz
female	$\leq$ 2.0°	$\leq$ 3.0°

Standard	Deviation from Nominal Phase (spec)
Short	DC to 9 GHz
female	$\leq$ 1.25°

Standard	Max. Power
Load	
female	0.5 W

The information in this document can be found at [www.keysight.com](http://www.keysight.com) by searching for part number 85515-90001