

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>

Temperature loading	operating temperature range	+18 °C to +28 °C
	storage temperature range	-40 °C to +70 °C, in line with EN 60068-2-1 and EN 60068-2-2
Recommended inspection interval		1 year

This information is subject to change without notice.

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85519-90001



Keysight
Cal Kit 85519A
Type-N(f) 50 Ω
DC to 18 GHz

Standard	Electrical Delay	Offset Loss
Through		
female-female	244.949 ps	1 G Ω /s

Standard	Offset Delay	Offset Loss
Open		
female	85.954 ps	1 G Ω /s

Standard	Offset Delay	Offset Loss
Short		
female	85.954 ps	1 G Ω /s

Standard	DC-Resistance
Load	
female	50 Ω \pm 0.5 Ω

Standard	Return Loss (typical)		
Through	DC to 4 GHz	4 to 8 GHz	8 to 18 GHz
female-female	\geq 38 dB	\geq 34 dB	\geq 28 dB

Standard	C0 E-15 F	C1 E-27 F/Hz	C2 E-36 F/Hz ²	C3 E-45 F/Hz ³
Open				
female	0.8918	-1200	85.41	0.13

Standard	L0 E-12 H	L1 E-24 H/Hz	L2 E-33 H/Hz ²	L3 E-42 H/Hz ³
Short				
female	16.9	-5881	614.4	-18.52

Standard			
Load	DC to 6 GHz	6 to 9 GHz	9 to 18 GHz
female	\geq 42 dB	\geq 35 dB	\geq 32 dB

Standard	Insertion Loss (typical)
Through	DC to 18 GHz
female-female	\leq 0.035 dB sqrt (f/GHz)

Standard	Deviation from Nominal Phase (spec)		
Open	DC to 6 GHz	6 to 9 GHz	9 to 18 GHz
female	\leq 2.0°	\leq 3.0°	\leq 4.0°

Standard	Deviation from Nominal Phase (spec)		
Short	DC to 6 GHz	6 to 9 GHz	9 to 18 GHz
female	\leq 1.5°	\leq 2.5°	\leq 3.0°

Standard	Max. Power
Load	
female	0.5 W

The information in this document can be found at www.keysight.com by searching for part number 85519-90001