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.
Tighten 3.5 mm connectors with a torque wrench. Torque: 8 lb-inch (90 N-cm)
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

85521-90001

KEYSIGHT TECHNOLOGIES

Data Sheet
85521A
Cal Kit
Type-3.5mm(f) 50 Ω
DC to 26.5 GHz

Standard	Electrical Delay
Through	
female-female	115.881 ps

Standard	Offset Delay
Open	
female	31.832 ps

Standard	Offset Delay
Short	
female	30.581 ps

Standard	DC-Resistance
Load	
female	50 Ω ± 0.5 Ω

Standard	Return Loss (typical)	
Through	DC to 5 GHz	5 to 26.5 GHz
female-female	≥ 34 dB	≥ 30 dB

Standard	C0 E-15 F	C1 E-27 F/Hz	C2 E-36 F/Hz²	C3 E-45 F/Hz³
Open				
female	3.695	-625.6	-2.2	0.104

Standard	L0 E-12 H	L1 E-24 H/Hz	L2 E-33 H/Hz²	L3 E-42 H/Hz³
Short				
female	-8.424	2912	-217	4.51

Standard	Return Loss (spec)		
Load	DC to 5 GHz	5 to 15 GHz	15 to 26.5 GHz
female	≥ 42 dB	≥ 36 dB	≥ 32 dB

Standard	Insertion Loss (typical)
Through	0 to 26.5 GHz
female-female	≤ 0.035 dB sqrt (*f*/GHz)

Standard	Deviation from Nominal Phase (spec)		
Open	DC to 5 GHz	5 to 15 GHz	15 to 26.5 GHz
female	≤ 1.5°	≤ 3.0°	≤ 4.5°

Standard	Deviation from Nominal Phase (spec)		
Short	DC to 5 GHz	5 to 15 GHz	15 to 26.5 GHz
female	≤ 1.0°	≤ 2.5°	≤ 4.0°

Standard	Max. Power
Load	
female	0.25 W

The information in this document can be found at www.keysight.com by searching for part number 85521-90001