FEATURED PRODUCT — LCAL06A/B/C

Product Description: LCAL06A/B (DC- 6.0 GHz SMA Precision Calibration Kit)

Wooden Box
4.12" x 3.45" x 1.5"

Plastic ESD Box
2.56" x 2.56" x 0.5"

LiConn has developed high precision SMA calibration Kit for the calibration of a vector network analyzer (VNA). The calibration kit can be used for the Short-Open-Load-Thru (SOLT) or Line-Reflect-Match (LRM) Full-Two-Port calibration.

The calibration kit is compatible to or better than the brand named models but is tenth fraction of their cost. Moreover, The calibration is packaged in a miniature box and very user friendly.

Key Performance

- DC ~ 6 GHz
- 40 dB Minimum Return Loss
- SMA High Precision Short
- SMA High Precision Open
- SMA High Precision Load
- SMA High Precision Thru
- SMA Female/Male Type
- Very Low Cost
- Long Life Time
- Annual Calibration Provided
- RoHS Compliant
- All Parts and Containers are Made in USA

Order Information/Kit Structure

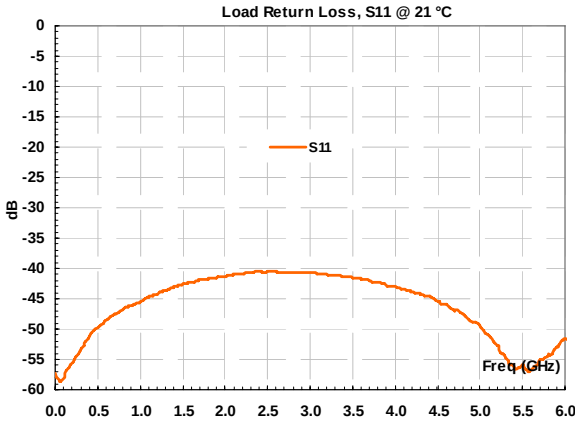
Model	LCAL06A (SMA Female Set for VNA with Male Connectors)	LCAL06B (SMA Male Set for VNA with Female Connectors)
Short	LSHOR001 (Male)	
	Use with Thru	
Open	LOPEN001 (SMA Male)	
	Use with Thru	
Load	LLOAD001M (SMA Male)	
	Use with Thru	
Thru	LTHRU001A (SMA Female/Female)	LTHRU001B (SMA Male/Male)

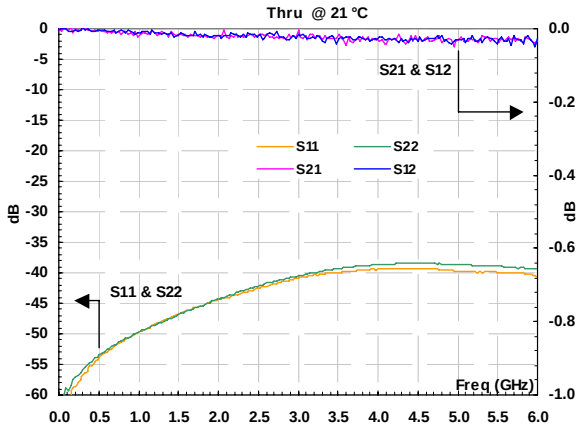
LCAL06C: LSHOR001, LOPEN001, LLOAD001M, LTHR001A, LTHRU001B

Specifications

Summary of the electrical specifications of sample LCAL06A at 21°C:
Each Calibration Kit will be measured for it's own parameters.

Index	Testing Item	Symbol	Test Constraints	Min.	Nom.	Max.	Unit
1	Load Return Loss	$S_{11,L}$	DC – 3.0 GHz	40			dB
			3.0 – 6.0 GHz	35			dB
2	Thru Return Loss	$S_{11,T}$	DC – 3.0 GHz	40			dB
			3.0 – 6.0 GHz	35			dB
3	Thru Insertion Loss	$S_{21,T}$	DC – 6.0 GHz			0.05	dB
4	Thru Offset	T_{to}			55.70		pS
5	Load Offset	T_{Lo}			0		pS
6	Short Offset	T_{So}			55.70		pS
7	Open Offset	T_{oo}			55.70		pS
8	Open Capacitances	C_0			45		10^{-15} F
		C_1			6		10^{-27} F/Hz
		C_2			-2.5		10^{-36} F/Hz^2
		C_3			0		10^{-45} F/Hz^3





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