

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



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

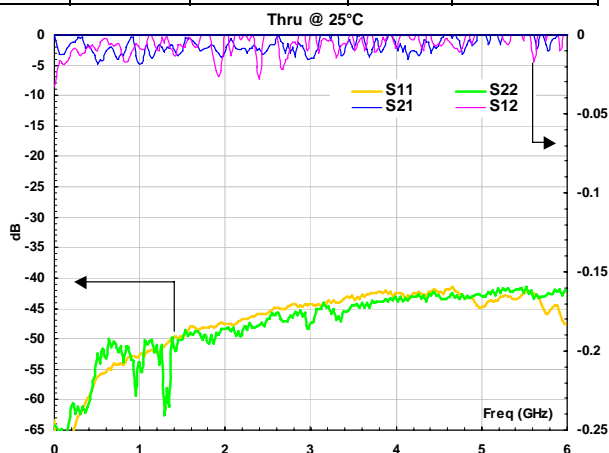
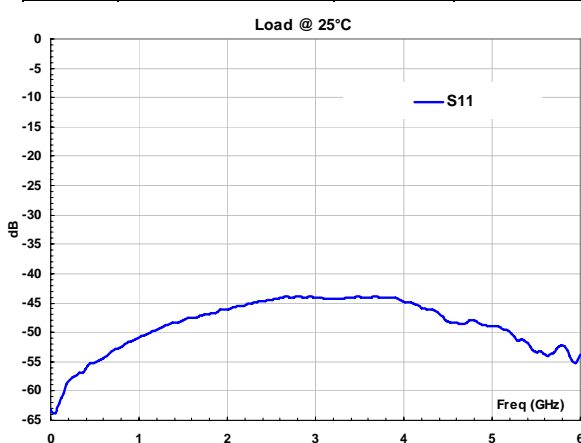
Order Information/Kit Structure

Model Number	LCAL06A (SMA Female Set)	LCAL06B (SMA Male Set)
Short	LSHOR001	
Open	LOPEN001	
Load	LLOAD001X (SMA Female)	LLOAD001M (SMA Male)
Thru	LTHRU001A (SMA Female/Female)	LTHRU001B (SMA Male/Male)

Specifications

Summary of the electrical specifications of LCAL06A at room temperature:
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}			39.0		pS
5	Load Offset	T_{Lo}			0		pS
6	Short Offset	T_{So}			50.1		pS
7	Open Offset	T_{oo}			52.0		pS
8	Open Capacitances	C_0			-8		10^{-15} F/Hz
		C_1			110		10^{-27} F/Hz
		C_2			-80		10^{-36} F/Hz
		C_3			2.0		10^{-45} F/Hz



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