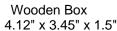
Product Description: LCAL09A (DC- 9.0 GHz SMA Precision Calibration Kit)







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 ~ 9 GHz
- 40 dB Return Loss
- SMA High Precision Short
- SMA High Precision Open
- SMA High Precision Load
- SMA High Precision Thru
- SMA Female Set
- Very Low Cost
- Long Life Time
- Annual Calibration Provided (optional)
- RoHS Compliant
- All Parts and Containers are Made in USA

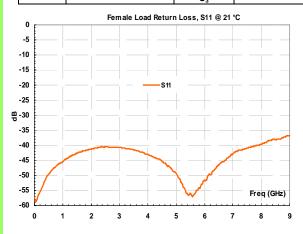
Order Information/Kit Structure

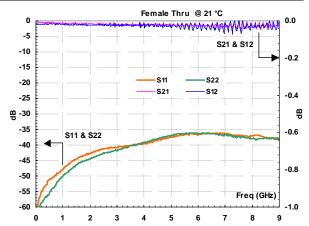
Model	LCAL09A (SMA Female Set for VNA with				
Number					
Number	Male Connectors)				
Short	L022 (SMA Male, use with L020)				
Open	L023 (SMA Male, use with L020)				
Load	L024 (SMA Male, use with L020)				
Thru	L020 (SMA Female/Female)				

Specifications

Summary of the electrical specifications of sample LCAL09A 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 – 9.0 GHz	35			dB
2	Thru Return Loss	S _{11, T}	DC - 3.0 GHz	40			dB
			3.0 – 9.0 GHz	35			dB
3	Thru Insertion Loss	S _{21, T}	DC - 9.0 GHz			0.10	dB
4	Thru Offset	T _{to}	L020		56.57		pS
5	Load Offset	T _{Lo}	With L020		0		pS
6	Short Offset	T _{So}	With L020		56.57		pS
7	Open Offset	T _{oo}	With L020		56.57		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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