

Keysight Calibration Kit Definitions > 8510 3.5 mm C.4

3.5 mm C.4 Calibration Kit

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Standard Definitions

Std. No.	Standard Type	C0/L0 Term Z	C1/L1	C2/L2	C3/L3	Load Type	Offset Delay	Offset Z0	Offset Loss	Min Freq (GHz)	Max Freq (GHz)	Medium	Standard Label
#1	Short	2.0765	-108.54002	2.1705	-0.01	Fixed	31.78499	50	2.36	0	999	Coax	SHORT
#2	Open	49.43328	-310.13104	23.16819	-0.15966	Fixed	29.243	50	2.2	0	999	Coax	OPEN
#3	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#4	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#5	Open	6.9558	-1.0259	-0.01435	0.0028	Fixed	0	50	0	0	999	Coax	3.5/2.92
#6	Open	5.9588	-11.195	0.5076	-0.00243	Fixed	0	50	0	0	999	Coax	3.5/SMA
#7	Open	13.4203	-1.9452	0.5459	0.01594	Fixed	0	50	0	0	999	Coax	2.92/SMA
#8	Open	8.9843	-13.9923	0.3242	-0.00112	Fixed	0	50	0	0	999	Coax	2.4/1.85
#9	Load					Fixed	0	50	0	0	999	Coax	BROADBAND
#10	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#11	Thru					Fixed	0	50	0	0	999	Coax	THRU
#12	Short	0	0	0	0	Fixed	0	50	0	0	0	Coax	
#13	Thru					Fixed	160.49997	50	2.51	0	999	Coax	ADAPTER
#14	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	undefined
#15	Thru					Fixed	13.013	50	1.3	6.999	32.001	Coax	7-32 LINE
#16	Thru					Fixed	53.98799	50	1.3	1	7.001	Coax	2-7 LINE
#17	Thru					Fixed	1E+12	50	1.3	0	2.001	Coax	0-2 LOADS
#18	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#19	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#20	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#21	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	

Class Assignments

	A	B	C	D	E	F	G	Standard Class Label
S11A	2							OPEN
S11B	1							SHORT
S11C	9							LOAD
S22A	2							OPEN
S22B	1							SHORT
S22C	9							LOAD
Forward Transmission	11							THRU
Reverse Transmission	11							THRU
Forward Match	11							THRU
Reverse Match	11							THRU
Forward Isolation	9							ISOL'N STD
Reverse Isolation	9							ISOL'N STD
Frequency Response	1	2	11					RESPONSE
TRL Thru or Line	11							THRU
TRL Reflect	1							SHORT
TRL Line or Match	15	16	17					LINES
Adapter	13	5	6	7	8			ADAPTER

VNA = Agilent 8510C

SYSTEM Z0 = 50 ohm

TRL Set Ref = Thru

TRL Cal Z0 = Line Z0

TRL Lowband Frequency = 2 GHz

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