

Keysight Calibration Kit Definitions > 8510 1.00mmA.1A

1.00mmA.1A 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	3.2053	-171.65002	3.3888	-0.0208	Fixed	8.149	50	7.74	0	50.5	Coax	(F) SHORT3
#2	Open	31.579	162.21097	-4.0954	0.037	Fixed	6.575	50	7.8	0	50.5	Coax	(F) OPEN
#3	Short	2.419	-21.19011	-0.8034	0.0095	Fixed	8.149	50	7.7	0	50.5	Coax	(M) SHORT3
#4	Open	29.26999	360.02393	-8.3672	0.0758	Fixed	6.575	50	8	0	50.5	Coax	(M) OPEN
#5	Short	0.2885	40.24719	-0.9816	0.0057	Fixed	8.149	50	7.93	0	999	Coax	(F) SHORT3
#6	Open	31.043	274.89697	-6.625	0.0539	Fixed	6.575	50	8	0	999	Coax	(F) OPEN
#7	Short	4.3065	-156.37903	1.9852	-0.0081	Fixed	8.149	50	7.9	0	999	Coax	(M) SHORT3
#8	Open	28.39999	543.35596	-11.754	0.0793	Fixed	6.575	50	8	0	999	Coax	(M) OPEN
#9	Load					Fixed	0	50	0	0	50.5	Coax	50GHZ LOAD
#10	Load					Fixed	0	50	0	0	999	Coax	LOAD
#11	Thru					Fixed	0	50	0	0	999	Coax	THRU
#12	Short	4.4217	-174.59003	2.2083	-0.0084	Fixed	4.313	50	8	49.9	999	Coax	(F) SHORT1
#13	Short	-14.4155	484.3949	-5.0055	0.0164	Fixed	6.064	50	8.51	65	999	Coax	(F) SHORT2
#14	Short	1.14	24.84229	-0.9462	0.006	Fixed	8.149	50	8	49.9	999	Coax	(F) SHORT3
#15	Short	3.6474	-113.20602	1.1075	-0.0027	Fixed	9.984	50	8.2	49.9	75.1	Coax	(F) SHORT4
#16	Short	-0.9209	107.67198	-1.553	0.0057	Fixed	4.313	50	8	49.9	999	Coax	(M) SHORT1
#17	Short	11.2987	-348.34009	3.251	-0.009	Fixed	6.064	50	8.55	65	999	Coax	(M) SHORT2
#18	Short	8.2341	-305.29803	3.7762	-0.015	Fixed	8.149	50	8	49.9	999	Coax	(M) SHORT3
#19	Short	45.09899	-1988.66016	27.99	-0.1258	Fixed	9.984	50	8.23	49.9	75.1	Coax	(M) SHORT4
#20	Thru					Fixed	42.49999	50	7.9	0	999	Coax	ADAPTER
#21	Load					Fixed	99998.97088	50	0	0	50.5	Coax	50GHZ LOAD

Class Assignments

	A	B	C	D	E	F	G	Standard Class Label
S11A	2	14	4	18				OPEN/SHORT
S11B	1	12	3	16				SHORTS
S11C	9	15	13	19	17			LOAD/SHORT
S22A	2	14	4	18				OPEN/SHORT
S22B	1	12	3	16				SHORTS
S22C	9	15	13	19	17			LOAD/SHORT
Forward Transmission	11							THRU
Reverse Transmission	11							THRU
Forward Match	11							THRU
Reverse Match	11							THRU
Forward Isolation	10							LOAD
Reverse Isolation	10							LOAD
Frequency Response	5	6	7	8	11			RESPONSE
TRL Thru or Line	11							THRU
TRL Reflect	5	7						SHORT
TRL Line or Match	21							MATCH
Adapter	20							ADAPTER

VNA = Agilent 8510C

SYSTEM Z0 = 50 ohm

TRL Set Ref = Thru

TRL Cal Z0 = System Z0

TRL Lowband Frequency = 0 GHz

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