

Keysight Calibration Kit Definitions > 8510 85058B

## 85058B 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	-0.6715	98.94899	-0.8139	-0.0212	Fixed	18.01199	50	3.9774	0	35.5	Coax	(F)Shrt1LB
#2	Open	2.127	73.815	-9.1135	0.13886	Fixed	18.011	50	3.2762	0	35.5	Coax	(F)Open LB
#3	Short	1.8222	-934.85999	64.091	-1.1161	Fixed	18.01199	50	3.9664	0	35.5	Coax	(M)Shrt1LB
#4	Open	-7.7748	1332.3999	-64.26001	0.90991	Fixed	18.015	50	3.2754	0	35.5	Coax	(M)Open LB
#5	Short	0.9658	8.9552	-0.7884	0.0079	Fixed	18.01199	50	4.0608	0	999	Coax	(F)Shrt1BB
#6	Open	2.2757	0.60959	-3.9739	0.05204	Fixed	18.011	50	3.2815	0	999	Coax	(F)Open BB
#7	Short	1.4957	-323.17999	11.624	-0.10939	Fixed	18.01199	50	4.0812	0	999	Coax	(M)Shrt1BB
#8	Open	-3.5342	425.23999	-13.946	0.12741	Fixed	18.001	50	3.2822	0	999	Coax	(M)Open BB
#9	Load					Fixed	0	50	0	0	35.5	Coax	35GHz Load
#10	Load					Fixed	0	50	0	0	999	Coax	BB Load
#11	Thru					Fixed	0	50	0	0	999	Coax	Thru
#12	Short	-26.329	1436.8999	-24.863	0.1393	Fixed	18.01199	50	4.0087	34.9	999	Coax	(F)Shrt1HB
#13	Short	5.2837	-255.25	4.4398	-0.0248	Fixed	21.015	50	3.9424	34.9	999	Coax	(F)Shrt2
#14	Short	-18.399	854.21997	-12.502	0.0595	Fixed	23.75	50	3.9568	45	999	Coax	(F)Shrt3
#15	Short	31.176	-1738.19995	32.421	-0.1988	Fixed	25.351	50	3.8911	34.9	55	Coax	(F)Shrt4
#16	Short	81.44299	-5397.5	114.28999	-0.77746	Fixed	18.01199	50	4.0306	34.9	999	Coax	(M)Shrt1HB
#17	Short	-168.11002	10000	-195.63	1.2477	Fixed	21.015	50	3.9661	34.9	999	Coax	(M)Shrt2
#18	Short	-85.54201	5237.89941	-105.29001	0.68943	Fixed	23.75	50	3.9432	45	999	Coax	(M)Shrt3
#19	Short	83.336	-4925.7998	95.83	-0.61258	Fixed	25.351	50	3.8798	34.9	55	Coax	(M)Shrt4
#20	Thru					Fixed	87.41799	50	4	0	999	Coax	Adapter
#21	Thru					Fixed	1E+12	50	4	0	999	Coax	Load

### Class Assignments

	A	B	C	D	E	F	G	Standard Class Label
S11A	2	15	14	4	19	18		Open/Short
S11B	1	12	3	16				Short
S11C	9	13	17					Load/Short
S22A	2	15	14	4	19	18		Open/Short
S22B	1	12	3	16				Short
S22C	9	13	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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