

Keysight Calibration Kit Definitions > 8510 1.85mm D.1

1.85mm D.1 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	1.431	-362.00006	16.37	-0.18	Fixed	18.03	50	4.17	0	999	Coax	SHORT
#2	Open	28.8	-322.70007	7.55	-0.03037	Fixed	16.824	50	3.75	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	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#6	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#7	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#8	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#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	999	Coax	
#13	Thru					Fixed	87.41799	50	4	0	999	Coax	ADAPTER
#14	Thru					Fixed	1E+12	50	4	0	999	Coax	LOAD
#15	Short	0	0	0	0	Fixed	0	49.99999	0	0	999	Coax	
#16	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#17	Short	0	0	0	0	Fixed	0	50	0	0	999	Coax	
#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	49.99999	0	0	999	Coax	
#21	Short	0	0	0	0	Fixed	0	49.99999	0	0	998.001	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	14							LOAD
Adapter	13							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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