

Keysight Calibration Kit Definitions > 8510 TYPE-N.B.2

TYPE-N B.2 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	-0.1315	606.20984	-68.40501	2.0206	Fixed	27.99001	50	1.3651	0	999	Coax	SHORT (M)
#2	Open	104.12997	-1943.40039	144.61996	2.2258	Fixed	22.90499	50	0.93	0	999	Coax	OPEN (M)
#3	Short	0.7563	459.87994	-52.42901	1.5846	Fixed	63.07799	50	1.1273	0	999	Coax	SHORT (F)
#4	Open	89.939	2536.7998	-264.99005	13.4	Fixed	57.993	50	0.93	0	999	Coax	OPEN (F)
#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	Load					Sliding	0	50	0	1.999	999	Coax	SLIDING
#11	Thru					Fixed	0	50	0	0	999	Coax	THRU
#12	Load					Fixed	0	50	0	0	2.001	Coax	LOWBAND
#13	Thru					Fixed	134.81999	50	2.2	0	999	Coax	F-F ADPTR
#14	Thru					Fixed	195.99997	50	2.2	0	999	Coax	M-M ADPTR
#15	Short	0	0	0	0	Fixed	0	50	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	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	4						OPENS
S11B	1	3						SHORTS
S11C	9	10	12					LOADS
S22A	2	4						OPENS
S22B	1	3						SHORTS
S22C	9	10	12					LOADS
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	3	2	4	11			RESPONSE
TRL Thru or Line	14							undefined
TRL Reflect	1							undefined
TRL Line or Match	15							undefined
Adapter	13	14						ADAPTERS

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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