

Keysight Calibration Kit Definitions > 8510 WR-28 A.3

WR-28 A.3 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	0	0	0	Fixed	0	1	0	21.071	42.142	Waveguide	SHORT
#2	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#3	Short	0	0	0	0	Fixed	10.0702	1	0	21.071	42.142	Waveguide	1/4 OFFS
#4	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#5	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#6	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#7	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#8	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#9	Load					Fixed	0	1	0	21.071	42.142	Waveguide	FIXED
#10	Load					Sliding	0	1	0	21.071	42.142	Waveguide	SLIDING
#11	Thru					Fixed	0	1	0	21.071	42.142	Waveguide	THRU
#12	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#13	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#14	Thru					Fixed	0	1	0	21.071	42.142	Waveguide	THRU
#15	Thru					Fixed	10.0702	1	0	21.071	42.142	Waveguide	◆/4 DELAY
#16	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#17	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#18	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#19	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#20	Load					Offset	10.0702	1	0	21.071	42.142	Waveguide	OFFSET
#21	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	

Class Assignments

	A	B	C	D	E	F	G	Standard Class Label
S11A	1							SHORT
S11B	3							OFFSET
S11C	9	10	20					LOADS
S22A	1							SHORT
S22B	3							OFFSET
S22C	9	10	20					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	11						RESPONSE
TRL Thru or Line	14							THRU
TRL Reflect	1							SHORT
TRL Line or Match	15							LINE
Adapter	13							undefined

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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