

Keysight Calibration Kit Definitions > 8510 WR-42 A.1

WR-42 A.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	0	0	0	0	Fixed	0	1	0	14.047	28.094	Waveguide	SHORT
#2	Short	0	0	0	0	Fixed	0	1	0	0	999	Waveguide	
#3	Short	0	0	0	0	Fixed	15.0153	1	0	14.047	28.094	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	14.047	28.094	Waveguide	FIXED			
#10	Load		Sliding	0	1	0	14.047	28.094	Waveguide	SLIDING			
#11	Thru					Fixed	0	1	0	14.047	28.094	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	14.047	28.094	Waveguide	THRU			
#15	Thru		Fixed	15.0153	1	0	14.047	28.094	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	15.0153	1	0	14.047	28.094	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	20				LOADS		
S22A	1					SHORT		
S22B	3					OFFSET		
S22C	9	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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