

Electrical Specifications

Table 2-4 through Table 2-5 list the electrical specifications of the terminations, $\frac{1}{4}$ wavelength shims, and standard sections in your kit.

Table 2-4 Electrical Characteristics and Specifications

Device	Frequency	Termination Specification
X11644A WR-90	8.2 to 12.4 GHz	return loss \geq 42 dB ¹
P11644A WR-62	12.4 to 18 GHz	return loss \geq 42 dB ¹
K11644A WR-42	18 to 26.5 GHz	return loss \geq 42 dB ¹

1. Effective return loss accounts for line section, connector, and load stability as used in a network analyzer to define directivity after calibration.

Table 2-5 Electrical Specifications of $\frac{1}{4}$ Wavelength Shims

Part Number	Waveguide Band	Return Loss (dB) ¹
11664-20021	WR90	55
11664-20020	WR62	
11664-20019	WR42	

1. Return loss specification is guaranteed by mechanical specifications.

Table 2-6 Electrical Specifications of Standard Sections

Device	Frequency	Standard Section Specification
X11644A WR-90	8.2 to 12.4 GHz	Return loss \geq 42 dB
P11644A WR-62	12.4 to 18 GHz	Return loss \geq 42 dB
K11644A WR-42	18 to 26.5 GHz	Return loss \geq 42 dB