

Product Features

- Broad VNA Coverage, including Agilent® & Anritsu®
- Open, Load, Fixed Broadband load configuration.
- DC to 18 GHz
- Stainless Steel Type N

Description

The PE5501-KIT Calibration Kit is designed for use with a broad range of vector network analyzers, using a Short-Open-Load calibration technique to perform a one-path, two port or a full two-port calibration. Calibration coefficients are included for configuring a network analyzer.

**Specifications** ⁽¹⁾

Parameter	Units	Value	Description
Impedance	ohms	50Ω	
Frequency	GHz	18	Operates from DC to 18 GHz
Connector Type		Type N	
Return Loss			
Open ⁽²⁾ ≤ 4 GHz	dB	≤ 0.10	
Open ⁽²⁾ ≤ 18 GHz	dB	≤ 0.20	
Short ⁽²⁾ ≤ 4 GHz	dB	≤ 0.10	
Short ⁽²⁾ ≤ 18 GHz	dB	≤ 0.15	
Load ⁽²⁾ ≤ 4 GHz	dB	≥ 40	
Load ⁽²⁾ ≤ 18 GHz	dB	≥ 30	
Phase Deviation			
Open ⁽²⁾ ≤ 4 GHz	degs.	≤ 1.5°	
Open ⁽²⁾ ≤ 18 GHz	degs.	≤ 3.0°	
Short ⁽²⁾ ≤ 4 GHz	degs.	≤ 1.2°	
Short ⁽²⁾ ≤ 18 GHz	degs.	≤ 2.5°	
Resistance, Load	Ohms	50Ω ± 0.25Ω	
Power Handling, Load	Watts	≤ 0.5	0° to 50° C

Ordering Information

Part Number	Description
PE5501-KIT	N Type Standard Calibration Kit
Items Included in Kit	
PE5501-1	Open Circuit, Male (Plug)
PE5501-2	Open Circuit, Female (Jack)
PE5501-3	Short Circuit, Male (Plug)
PE5501-4	Short Circuit, Female (Jack)
PE5501-5	Broadband Load, Male (Plug)
PE5501-6	Broadband Load, Female (Jack)
PE5011-7	Type N Torque Wrench

(1) Pasternack reserves the right to change specifications or information without notice.

(2) Specifications are for both Male (Plug) and Female (Jack) components.