



50 Ohm N VNA Calibration Kit Includes Open,
Short, Load Operating From DC to 18 GHz

TECHNICAL DATA SHEET

PE5501-KIT

50 Ohm N VNA Calibration Kit Includes Open, Short, Load Operating From DC to 18 GHz

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.

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.





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Compliance Certifications (visit www.Pasternack.com for current document)

Plotted and Other Data

Notes:

Values at 25 °C, sea level

50 Ohm N VNA Calibration Kit Includes Open, Short, Load Operating From DC to 18 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm N VNA Calibration Kit Includes Open, Short, Load Operating From DC to 18 GHz PE5501-KIT](#)

URL: <http://www.pasternack.com/50ohm-n-open-short-load-18-ghz-pe5501-kit-p.aspx>

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