



## 50 Ohm 3.5mm VNA Calibration Kit Includes Open, Short, Load Operating From DC to 26.5 GHz

### TECHNICAL DATA SHEET

### PE5500-KIT

#### VNA Calibration Kit Includes 3.5mm Open, 3.5mm Short, and 3.5mm Load

The PE5500-KIT Calibration Kit is designed for use with a broad range of vector network analyzers, using a Short-Open-Load calibration technique to perform one-path, two port or a full two-port calibration. Calibration coefficients are included for configuring a network analyzer.

- Broad VNA Coverage, including Agilent® and Anritsu®
- Open, Short, and Fixed Broadband load.
- DC to 26.5 GHz

#### Specifications <sup>(1)</sup>

Parameter	Units	Value	Description
Impedance	ohms	50Ω	
Frequency	GHz	26.5	Operates from DC to 26.5 GHz
Return Loss			
Open <sup>(2)</sup> ≤ 4GHz	dB	≤ 0.10	
Open <sup>(2)</sup> ≤ 26.5GHz	dB	≤ 0.20	
Short <sup>(2)</sup> ≤ 4GHz	dB	≤ 0.10	
Short <sup>(2)</sup> ≤ 26.5GHz	dB	≤ 0.15	
Load <sup>(2)</sup> ≤ 4GHz	dB	≥ 40	
Load <sup>(2)</sup> ≤ 26.5GHz	dB	≥ 30	
Phase Deviation			
Open <sup>(2)</sup> ≤ 4GHz	degs.	≤ 1.5°	
Open <sup>(2)</sup> ≤ 26.5GHz	degs.	≤ 3.5°	
Short <sup>(2)</sup> ≤ 4GHz	degs.	≤ 1.2°	
Short <sup>(2)</sup> ≤ 26.5GHz	degs.	≤ 3.0°	
Resistance, Load	Ohms	50Ω ± 0.20Ω	
Power Handling, Load	Watts	≤ 0.5	0° to 50° C

#### Ordering Information

Part Number	Description
PE5500-KIT	3.5mm Calibration Kit
<i>Items Included in Kit</i>	
PE5500-1	Open Circuit, Male (Plug)
PE5500-2	Open Circuit, Female (Jack)
PE5500-3	Short Circuit, Male (Plug)
PE5500-4	Short Circuit, Female (Jack)
PE5500-5	Broadband Load, Male (Plug)
PE5500-6	Broadband Load, Female (Jack)
PE5011-1	3.5mm/SMA 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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**PE5500-KIT**

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

50 Ohm 3.5mm VNA Calibration Kit Includes Open, Short, Load Operating From DC to 26.5 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 3.5mm VNA Calibration Kit Includes Open, Short, Load Operating From DC to 26.5 GHz PE5500-KIT](http://www.pasternack.com/35mm-265-ghz-vna-calibration-kit-pe5500-kit-p.aspx)

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