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PE5500-KIT 3.5mm, 26.5 GHz VNA Calibration Kit

Product Features

- Broad VNA Coverage, including Agilent® & Anritsu®
- Open, Load, Fixed Broadband load configuration.
- DC to 26.5 GHz

Description

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 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	26.5	Operates from DC to 26.5 GHz
Return Loss			
Open ⁽²⁾ ≤ 4GHz	dB	≤ 0.10	
Open ⁽²⁾ ≤ 26.5GHz	dB	≤ 0.20	
Short ⁽²⁾ ≤ 4GHz	dB	≤ 0.10	
Short ⁽²⁾ ≤ 26.5GHz	dB	≤ 0.15	
Load ⁽²⁾ ≤ 4GHz	dB	≥ 40	
Load ⁽²⁾ ≤ 26.5GHz	dB	≥ 30	
Phase Deviation			
Open ⁽²⁾ ≤ 4GHz	degs.	≤ 1.5°	
Open ⁽²⁾ ≤ 26.5GHz	degs.	≤ 3.5°	
Short ⁽²⁾ ≤ 4GHz	degs.	≤ 1.2°	
Short ⁽²⁾ ≤ 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
Items Included in Kit	
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.