



3.5mm NMD Connector to Interchangeable Test Cable 23 Inch Length Using VNA Cable Coax

TECHNICAL DATA SHEET

PE310-KIT

Configuration

Connector 1	3.5mm NMD Female
Connector 2	Interchangeable
Cable Type	VNA Cable

Electrical Specifications

Frequency Range, GHz	DC to 26.5
Impedance, Ohms	50
Maximum Insertion Loss	1.5 dB/ft [4.92 dB/m]

Typical Performance by Frequency

Frequency 1

Frequency, GHz	4
Return Loss, dB	26

Frequency 2

Frequency, GHz	26.5
Return Loss, dB	20

Mechanical Specifications

Cable Assembly

Cable Type	VNA Cable
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Size

Length, in [mm]	23 [584.2]
Weight, lbs [kg]	3.8 [1.72]

Cable

Connector 1

Type	3.5mm NMD Female
Configuration	Straight

Connector 2

Type	Interchangeable
Configuration	Straight

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.5mm NMD Connector to Interchangeable Test Cable 23 Inch Length Using VNA Cable Coax PE310-KIT](#)



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Specifications ⁽¹⁾

Parameter	Units	Value	Description
Impedance	ohms	50Ω	
Frequency	GHz	26.5	Operates from DC to 26.5 GHz
Insertion Loss	dB	<1.5	At 26.5 GHz
Amplitude Stability	dB	<0.05	At 26.5 GHz
Phase stability	degree	≤3.0°	At 26.5 GHz, after 90°degree bend
Return Loss	dB	>20dB	At 26.5 GHz
Return Loss Stability	dB	>40 dB	At 26.5 GHz
Cable Length	cm	60	
Minimum bend radius	mm	25	
Connector A		3.5mm NMD	VNA compatible
Connector B		Interchangeable	
Operating Temperature	Celsius	-40° to +85°	

Ordering Information

Part Number	Description
PE310-KIT	VNA Test Cable Set in a protective wood box. Two VNA cables in set. Must Order companion Connector for each cable.
PE44484	One Precision 7mm (PC-7) Connector for PE310-KIT VNA Test Cable
PE45505	One N Male Connector for PE310-KIT VNA Test Cable
PE45502	One N Female Connector for PE310-KIT VNA Test Cable
PE44487	One 3.5mm Male Connector for PE310-KIT VNA Test Cable
PE45398	One 3.5mm Female Connector for PE310-KIT VNA Test Cable

- (1) Pasternack reserves the right to change specifications or information without notice.
 (2) Measurement utilizing 3.5mm interchangeable connector to 26.5 GHz.

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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

3.5mm NMD Connector to Interchangeable Test Cable 23 Inch Length Using VNA Cable Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/3.5mm-nmd-connector-interchangeable-sexless-vna-cable-cable-assembly-pe310-kit-p.aspx>

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