

PE0312-75 Preliminary Specifications¹

Measurement Range

Impedance	75 Ohm
Frequency range	3 MHz to 3 GHz

Test Port

Impedance	75 Ohm
Test port connector	Type N, male
Number of test ports	6, 8, 10, 12
Damage voltage	35 VDC
Input power damage level	26 dBm
ESD	> 8 kV

VNA Port

Impedance	75 Ohm
VNA port connector	Type N, male
Number of VNA ports	2
Damage voltage	35 VDC
Input power damage level	26 dBm
ESD	> 8kV

General Specification

Insertion Loss (VNA port to TEST port)	
3 to 1300 MHz	< 4,5 dB
1300 to 2150 MHz	< 5 dB
2150 to 3000 MHz	< 5,5 dB
Return Loss Test port (unselected):	
3 MHz to 1300 MHz	> 21 dB (25 dB typ.)
1300 MHz to 2150 MHz	> 20 dB (23 dB typ.)
2150 MHz to 3000 MHz	> 13 dB (16 dB typ.)
Return Loss Test port (selected):	
3 MHz to 1300 MHz	> 14 dB (17 dB typ.)
1300 MHz to 3000 MHz	> 11 dB (14 dB typ.)
Isolation (VNA Port1 to VNA Port2)	> 85 dB (> 90 dB typ. 3000 MHz)

Measurement Speed

Switching Time (typ.)	1 ms
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System & Power

Interface	USB 2.0
Connector type	USB B
Power supply (Main Outlet)	110-240 V, 50/60 Hz
Power consumption (Main Outlet)	3 W (typ.)

General Specification

Length	436 mm
Width	425 mm
Height	96 mm
Weight	7.9 kg (279 oz)

Measurement Speed

Operating temperature ³	+5 °C to +40 °C (41 °F to 104 °F)
Storage temperature	-50 °C to +70 °C (-58 °F to 158 °F)
Humidity	90 % at 25 °C (77 °F)
Atmospheric pressure	70.0 kPa to 106.7 kPa