

Product Datasheet - Technical Specifications



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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	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