PE0312-75 Preliminary Specifications[1]

Telemeter Electronic

General Data

Impedance	75 Ohm
Frequency range	3 MHz to 3 GHz
Configuration	2X12 full crossbar, bidirectional
Switches	Solid-state technology
Insertion Loss (A or B port to any TEST port)	
3 MHz to 1300 MHz	4.0 dB
1300 MHz to 2150 MHz	4.5 dB
2150 MHz to 3000 MHz	5.0 dB
Return Loss (TEST ports in ON state):	
3 MHz to1300 MHz	12 dB
1300 MHz to 3000 MHz	10 dB
Return Loss (TEST ports in OFF state):	
3 MHz to1300 MHz	20 dB
1300 MHz to 2150 MHz	18 dB
2150 MHz to 3000 MHz	12 dB
Return Loss (A or B port):	
3 MHz to 3000 MHz	12 dB
Isolation (between ports A and B)	85 dB (95 dB typ.)

Input Port

Number of ports	2
Designation	Port A, Port B
Connector type	Type N (75 Ohm), female
Damage level	+26 dBm
Damage DC voltage	35 V

Test Port

Number of ports	12
Designation	Port 1 - Port 12
Connector type	Type N (75 Ohm), female
Damage level	+26 dBm
Damage DC voltage	35 V

Measurement Speed

Switching Time	5 µs
Switching Frequency	25 kHz max

System & Power

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

Dimensions

Length	422 mm
Width	414 mm
Height	99 mm
Weight	6.5 kg (229 oz)

Environmental Specifications

Operating temperature	+5 °C to +40 °C (41 °F to 104 °F)
Operating humidity	90 % at 25 °C (77 °F)
Non-operating temperature	-50 °C to +70 °C (-58 °F to 158 °F)
Non-operating humidity	80 % at 35 °C (95 °F)
Atmospheric pressure	70.0 kPa to 106.7 kPa

VNA Compatibility

Recommended pairing	SC7540
Compatible analyzers	VNAs with 50 to 75 Ohm adapters

[1] All specifications subject to change without notice. © Copper Mountain Technologies - www.coppermountaintech.com - Rev. 2025Q3