

Pulsar 900

TLP Test System Specifications

Pulse Type

Transmission Line Pulse

Option: External time domain reflectometry (TDR) line

Pulse Characteristics

100 ns pulse width (FWHM)

<1 ns rise time into 50Ω load

Option: Externally attached rise time filters

Pulse Voltage

1200 V (open circuit)

Pulse Current

20 A (short circuit)

10 A (50Ω load)

Pulse Attenuation

Manual, externally attached

Leakage System

Sensitivity: < 1 nA (at 40V, open circuit)

Voltage, maximum: 200 V

Voltage, minimum: 200 μV

Current, maximum: 1 A at 20V, 0.1A at 200 V

Computer System

Dell Dimension 2400 computer (or equivalent)

Windows XP operating system, standard

Windows 98 / 2000

Option: Dell notebook

Oscilloscope

GPIO-capable, digital storage oscilloscope required (not included in basic package)

Minimum recommended analog bandwidth: 500 MHz

Minimum recommended sample rate: 1 GS/sec

Digital Output

Software configurable triggers

Sockets / Interfaces

48 pin DIP socket

Option: Custom interface board

Option: Wafer test kit, including probes and cables

Operating Voltages

110 V, 50/60 Hz

220 V, 50/60 Hz

Pulse Source Unit Dimensions

17" (W) x 21 in. (L) x 7 in. (H)

430 mm (W) x 530 mm (L) x 180 mm (H)

30 lbs (14 kg)

Power Consumption

Peak power consumption: 50 watts

Typical power consumption: < 10 watts