

POWER μ PARSET - DISCRETE POWER TESTER

The benchmark in analog power testing

Eliminate power products' lengthy test times for enhanced output. This is the modular parameter test system for power discrete semiconductor devices up to 12 leads. The standard configuration has a maximum supply and current per channel of 400V and 30A. Through its modular architecture, this can be extended with a high voltage unit of 2kV and a high current unit of 200A. μ PARSET software gathers data about measured devices and produces various insights for product quality, stability, and yield optimization.



Key features

Target segments

- Back-end final test
- Wafer test

High performance

- Handler and prober agnostic
- 1 to 4 handlers
- Multi-site testing
- Short test times
- Pin electronics (voltage and current measurement on all pins simultaneously)
- Maximum number of pins: (FT and AT/QT): 6 or 12 pins
- High-quality diagnostics and calibration
- High accuracy
- User-definable parameters

Test heads

- Current amplifier for fast leakage measurement
- Short and open pins close to DUT
- Dedicated test hardware

Embedded software

- User-definable parameters
- Visual ITEC: user-definable operator interface
- Automatic multi-site expansion
- Scope function
- V and I waveforms and timing on all channels
- Real-time diagnostics
- Curve traces

Extendable software

- Equipment control for multiple test cells
- Post-processing
- Dynamic Part Average Test
- Static Part Average Test
- Moving Limits
- Nearest neighbourhood residual

Optional extension modules

- Qs: reverse recovery charge (30 nC / 300 nC / 3 μ C)
- Gate resistance and capacitance (Rg/Cg) extension
- μ PHV: high voltage test (2 kV)
- μ PHC: high current unit (200 A)
- μ PDI: digital interface 2 x 16 channels fully floating
- SECS/GEM interface

Specifications

Maximum supply and current per channel

- 400 V / 30 A

Small footprint

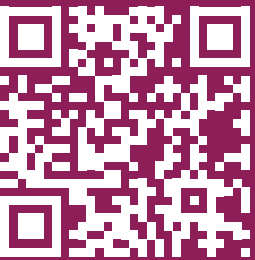
- 600 x 665 x 1235mm

Other

- Extendable test heads for adding handlers
- Maximum: 12 leads
- Voltage: 220-240 VAC +/- 5%, 1-phase
- Current: Fused on 16 A
- Frequency: 50/60 Hz +/- 0.5 Hz
- Handler Interface: GPIB, TTL, RS232, TCP/IP
- Optional SECS/GEM interface following SEMI standard



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