

WL25 Series

Linear IC Test System

Automated Test Equipment

Overview

The WL25 is a LSI test system designed for device characterization and mass-production test of linear ICs. It supports various modules used for DC parametric measurement, waveform analysis, time measurement, audio/video band measurements.

A real time operating system is used for the control of test sequence, and Microsoft Windows is used as operator interface. The system uses a Shibasoku original test programming language called "Tester-C", which is based on the familiar standard C programming language. The WL25 test system supports a maximum of 16 devices in parallel.



Features

- High parallel test capability
 - Parallel Test of 1, 2, 4, 8 or 16 devices
 - 4 DGS (independent device GND)
 - Ping-pong test mode for interface with two Handler Stations
- Reliable and accurate
 - Basic DC voltage accuracy: $\pm 0.05\%$
 - Test modules isolated from power supply
- Dual high speed CPUs with Windows GUI
 - C-language based system software
 - Powerful debug tool options
- Flexible configurations
 - 4 meas racks (Max. 69 module slots)
 - Available for application modules

Target Applications

Voltage Regulators, Operational-Amplifiers, Comparators, MOS-FET, Audio Amps, IPD, Motor Drivers

Specifications

- Per-pin source Max. 512 pins (± 32 V, ± 32 mA)
- DC voltmeter
 - 2 inputs
 - ± 32 V max. (Single)
 - ± 64 V max. (Differential)
- V/I source options ± 50 V, ± 250 mA
- Powered V/I source
 - ± 128 V, ± 250 mA (± 40 V, ± 2 A)
 - ± 30 V, ± 30 A
 - ± 60 V, ± 10 A
- High voltage V/I source
 - $+800/-500$ V, ± 200 mA
 - $+2000$ V, ± 20 mA
- DC voltmeter
 - 2 inputs
 - ± 32 V max. (Single)
 - ± 64 V max. (Differential)
- Time measurement
 - 10 nsec to 6 sec
 - Resolution 100 psec
 - Accuracy $\pm (10\text{ppm} + 10 \text{ nsec})$
- Digital test option 5 MHz test rate, 64 I/O pins
- DSP options
 - AFG: 16 bits/10 Msps
 - ADGT: 16 bits/10 Msps
 - VFG: 14 bits/240 Msps
 - VDGT: 14 bits/80 Msps
- Parallel test capability
 - 1/2/4/8/16 DUTs (DC meas.: 32 DUTs)

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