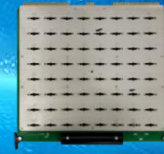


# PSS LDBI3072-TO56-P

## LD Integrated Reliability System ▶▶▶



### Product Introduction

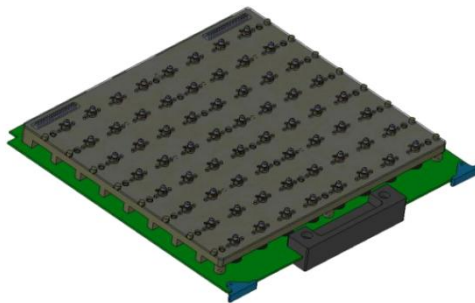
PSS LD integrated reliability system is used for burn-in screening and reliability and life analysis of low-power visible light LD TO devices, which effectively improves the quality of TO products after screening. The system can support the burn-in of 3072 devices, and realize the burn-in of devices by providing constant current to LD devices. The system can display the burn-in current, direct voltage, backlight current, temperature, power and other parameters in real time and display them visually, which is convenient for observing the abnormal situation in the burn-in process. The universal burn-in board is compatible with other automation equipment of our company.

### Product Application

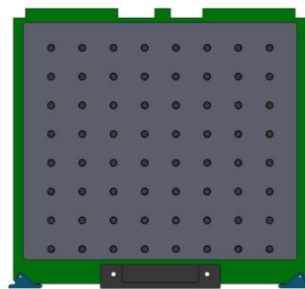
- It can be used for burn-in screening of visible light LD TO devices in mass production.
- Analysis of long-term reliability failure test

## Product Features

- Provide completely independent driving current for each burn-in board.
- The integrated burn-in box comes with two independent boxes, which can be completely controlled independently, with high heating speed and no overshoot; Support over-temperature protection
- ACC constant current mode and APC constant backlight mode are optional.
- As a general carrier, burn-in board can realize direct material transfer at different stations of disk testing and burn-in, and improve production efficiency; An NTC thermistor is installed next to each TO56 slot to detect the temperature in real time.



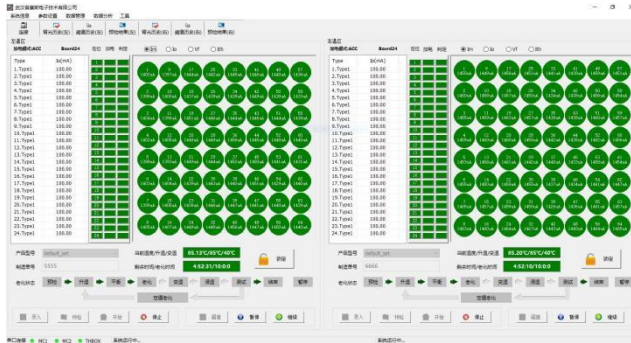
- Each burn-in board can be equipped with a pre-installation optical detection board to monitor the optical power before burn-in in real time and test the LIV characteristics regularly.



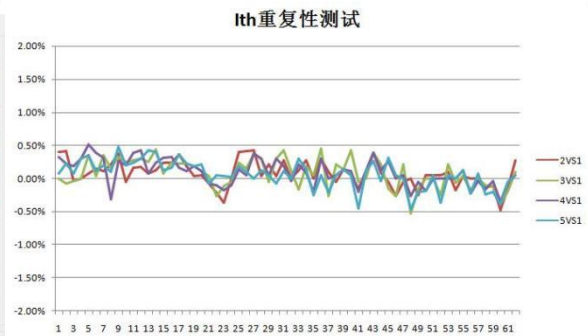
- Reliable ESD/EOS protection ensures the safety of devices during burn-in and supports open circuit and short circuit protection.



- Support scanning LIV to calculate Ith



Upper computer software



Ith repeatability (typical test)

- Software switching supports burn-in of various types of packaged LD devices, and supports TO56 fixed 3-pin switching.

## Technical Parameter

Parameter	Description/Value
Laser package type	TO56, support TO56 fixed 3-pin switching
System scale	3072 road, 2 independent temperature zones
LD drive current	0-150mA
LD voltage range	0~7V
LD voltage measurement	0~7V
Backlight current detection	0-2000uA
Temperature detection	25~120°C, ±1°C@60°C, 10KNTC
Front optical power detection	10~100mW
Response wavelength	380-900 nm
Temperature range (temperature inside cell)	45~90°C
Temperature test range of shell and tube	65°C~100°C
Temperature control characteristics	Temperature uniformity: 2°C (no load), temperature stability: 0.5°C Heating rate: 2°C/Min, cooling rate: 1°C/Min.
Power input	AC 380V/50HZ
Dimensions (width x height x depth)	1400 x 1800 x 1200(mm)