ILX LASER DIODE CHARACTERIZATION AND BURN-IN SOLUTION

DEVICE QUALIFICATION TIMELINE

1. Diced laser chips
2. Integrated Carrier Solution (ICS)
3. Manual or pick-and-place loading of devices
4. Device die and wire bond
5. Pre-Burn-In Characterization
6. Device Burn-In
7. Post-Burn-In Characterization
8. Software for validating Electrical (LV) and Spectral performance and monitoring in-situ Burn-In results
9. Expanded Integrated Carrier Solution (ICS) with up to 32 individual device mounting locations
10. Fixture assembly with mounted ICS

SALUS LCS-9408 PRELIMINARY SPECIFICATIONS*

- System Capacity (on ICS carrier): Up to 32 devices
- Device Types Supported: TO-Caps, TO8A, COC, Custom Customer Packages
- Laser Drive Current Range and Accuracy: Up to 500 mA ±0.1 mA
- Temperature Range: 25°C - 70°C
- Wavelength Measurement Range: 500 nm - 1700 nm
- Peak Wavelength Accuracy: ±0.05 nm
- SMSR Measurement: > 40 dB
- Test Time per Device: < 25 seconds

CENTURION LMS-9406 PRELIMINARY SPECIFICATIONS*

- System Capacity: 1408 devices
- Device Types Supported: TO-Caps, TO8A, COC, Custom Customer Packages
- Devices per Fixture (on ICS carrier): Up to 32
- Temperature Range: -20°C - +50°C
- Laser Drive Current Range: 0 mA to 500 mA
- Laser Drive Current Setpoint Accuracy: ±1 mA
- Compliance Voltage: 6V typical, higher voltages available upon request
- Control Modes: ACC (voltage monitoring during burn-in)

* Partial specifications; see full LCS-9408 brochure for more details.
* Must specify 100 mA wavelength of interest at time of order.

Custom Design the System to Your Needs