



Model No. LD635A10C15 (LD-635-10I)
635nm 10mW 50°C Laser Diode in TO-18 Ø5.6mm Package

FEATURES

- 635nm 10mW Visible Laser Diode
High operating temperature
High reliability
Low operating current
MTTF (Mean Time To Failure): >18000hrs @ 25°C and >4000hrs @ 50°C
Package: TO-18 (dia. 5.6mm)

APPLICATIONS

- Industrial laser markers
Survey and engineering instruments
High visibility LD display

ABSOLUTE MAXIMUM RATINGS

Table with 5 columns: PARAMETER, SYMBOL, CONDITION, RATING, UNIT. Rows include LIGHT OUTPUT POWER, REVERSE VOLTAGE (LD), REVERSE VOLTAGE (PD), FORWARD CURRENT (PD), CASE TEMPERATURE, STORAGE TEMPERATURE.

ELECTRICAL AND OPTICAL CHARACTERISTICS (Tc = 25 °C)

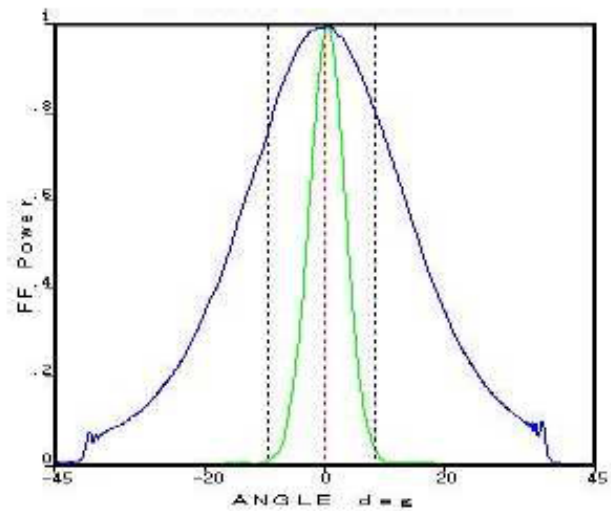
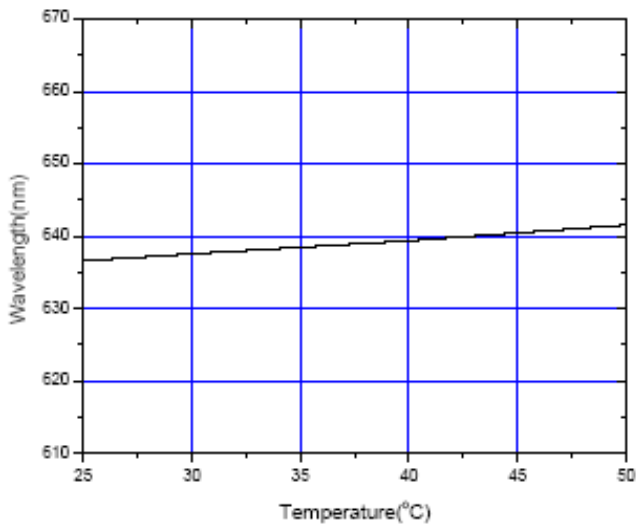
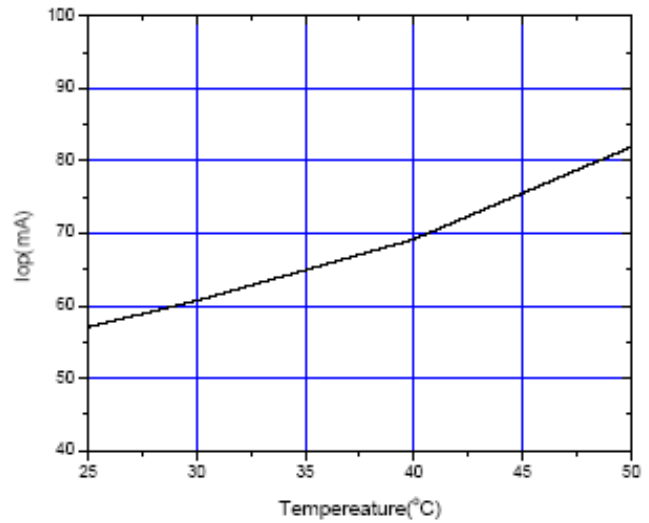
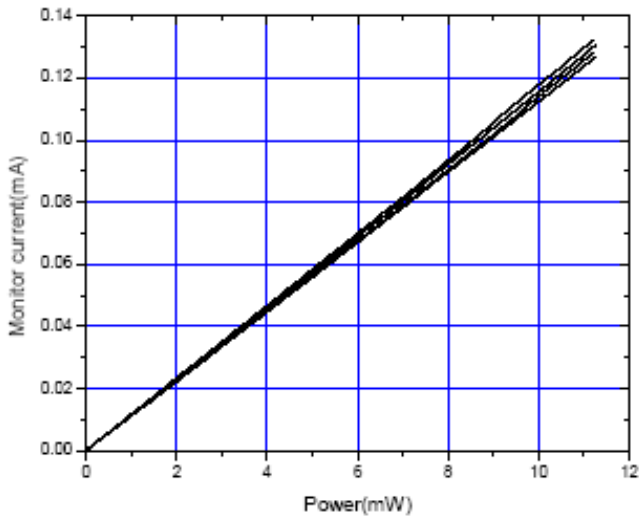
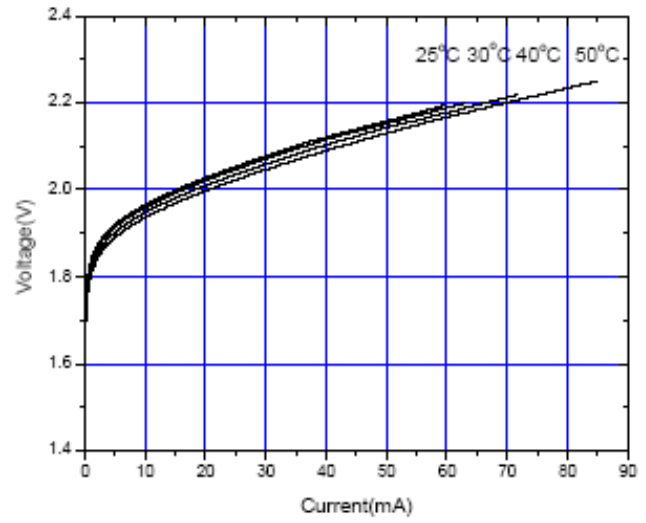
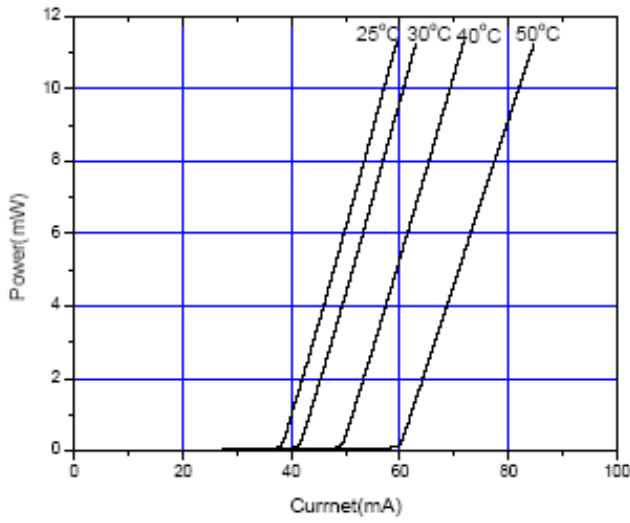
Table with 7 columns: PARAMETER, SYMBOL, MIN., TYP., MAX., UNIT, CONDITIONS. Rows include PEAK WAVELENGTH, THRESHOLD CURRENT, OPERATING CURRENT, OPERATING VOLTAGE, DIFFERENTIAL EFFICIENCY, MONITOR CURRENT, PARALLEL DIVERGENCE ANGLE, PERPENDICULAR DIVERGENCE ANGLE, PARALLEL FFP DEVIATION ANGLE, PERPENDICULAR FFP DEVIATION ANGLE, EMISSION POINT ACCURACY.

Note: The above specifications are subject to change without notice.





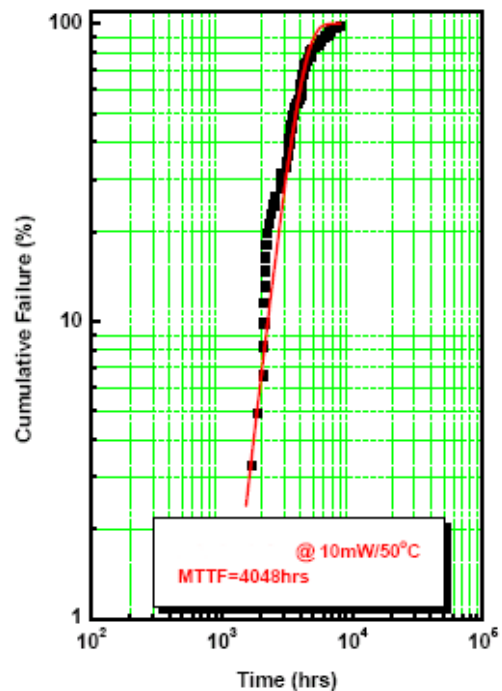
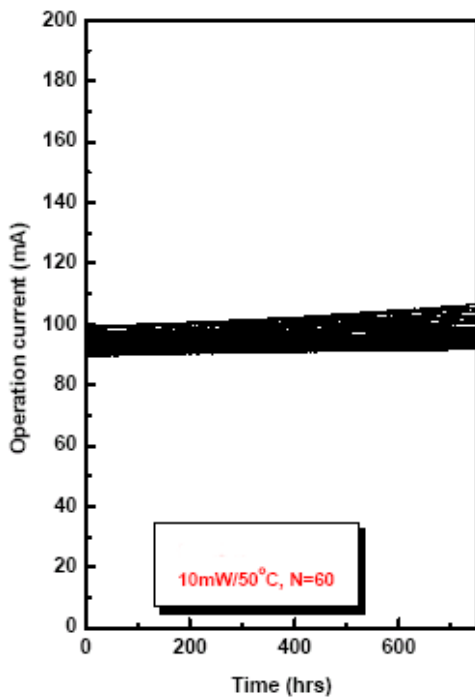
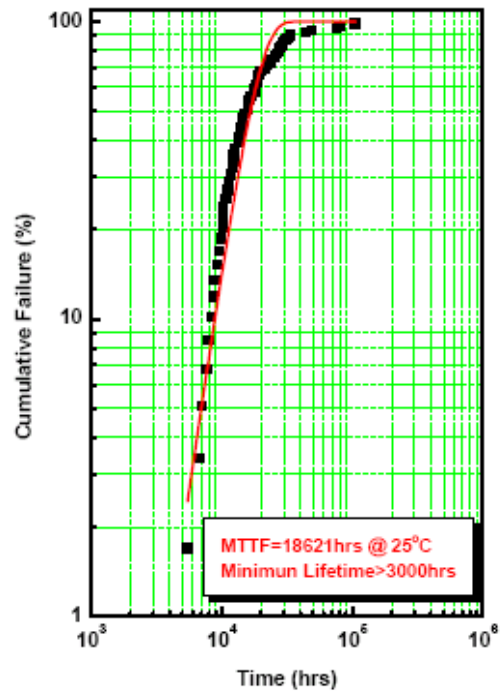
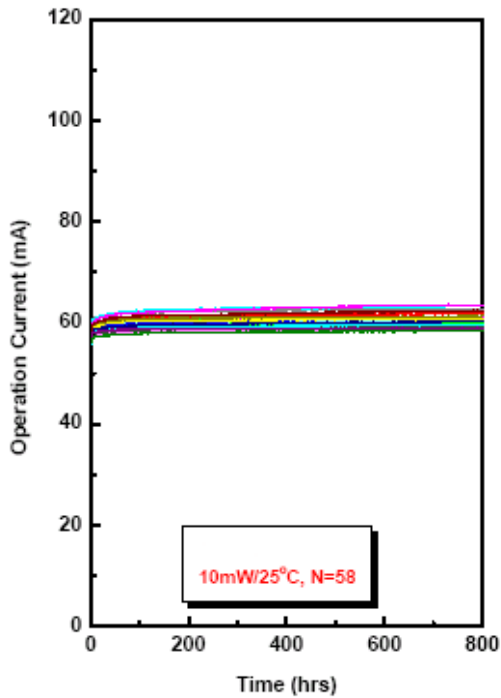
TYPICAL CHARACTERISTICS



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MTTF (Mean Time To Failure): 18621 hrs @ 25 °C and 4048 hrs @ 50 °C



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