

**ELITE ADVANCED LASER CORPORATION**  
**聯鈞光電股份有限公司**

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**產品規格書 ( Data Sheet )**

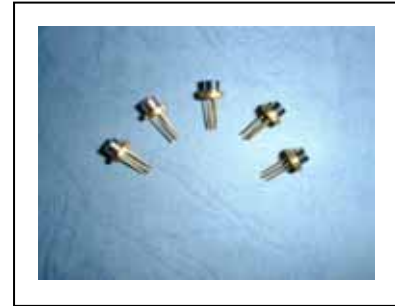
**型號 : ELD66D5**

**腳位 : AP**

**等級 :**

**版本 : Version A**

## ELD66D5



- Applications
  - Industrial Module

- Special Features

- (1) High optical power with strained multi-quantum well structure.
- (2) Maximum operating temperature of 50 .

- Absolute maximum ratings (Tc=25 )

| Parameter             |                | Symbol       | Limit   | Unit |
|-----------------------|----------------|--------------|---------|------|
| Output Power          |                | Po           | 35      | mW   |
| Reverse Voltage       | Laser          | $V_{R(LD)}$  | 2       | V    |
|                       | PIN photodiode | $V_{R(PIN)}$ | 30      | V    |
| Operating temperature |                | Top          | -10~+50 |      |
| Storage temperature   |                | Tstg         | -40~+85 |      |

- Electrical and optical characteristics (Tc=25 )

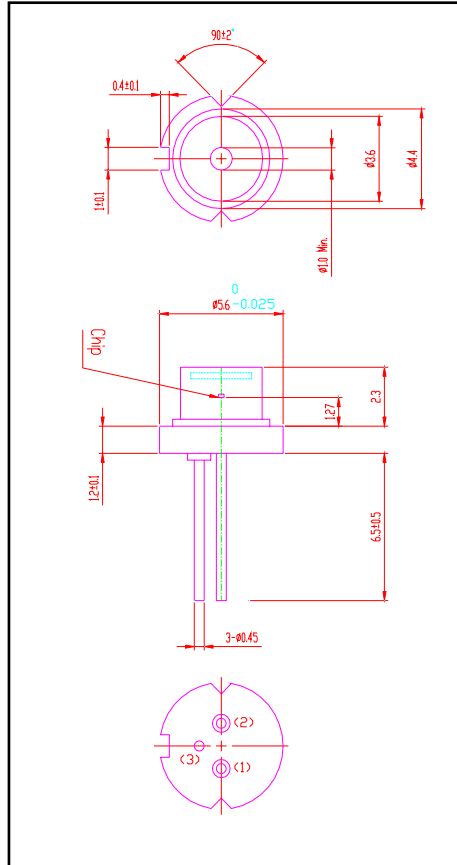
| Parameter                      | Symbol      | Min. | Typ. | Max. | Unit    | Conditions                 |
|--------------------------------|-------------|------|------|------|---------|----------------------------|
| Threshold Current              | Ith         | -    | 45   | 70   | mA      | -                          |
| Operating Current              | Iop         | -    | 90   | 120  | mA      | Po=30mW                    |
| Operating Voltage              | Vop         | -    | 2.7  | 3.2  | V       | Po=30mW                    |
| Differential Efficiency        |             | -    | 0.7  | -    | mW/mA   | Po=20-30mW                 |
| Monitor Current                | Im          | 0.05 | 0.2  | 1    | mA      | Po=30mW<br>$V_{R(PIN)}=5V$ |
| Parallel Divergence angle      | //*         | 6    | 8    | 12   | deg     | Po=30mW                    |
| Perpendicular Divergence Angle | *           | 17   | 22   | 26   | deg     |                            |
| Parallel Deviation Angle       | //          | -3   | -    | +3   | deg     |                            |
| Perpendicular Deviation Angle  |             | -3   | -    | +3   | deg     |                            |
| Emission Point Accuracy        | X<br>Y<br>Z | -80  | -    | +80  | $\mu m$ | Po=30mW                    |
| Peak Wavelength                |             | 655  | 660  | 666  | nm      | Po=30mW                    |

\* // and \* are defined as the angle within which the intensity is 50% of the peak value

- Package and lead configuration please refer to our drawing.
- We can also make per your specification request. Please contact our sales.

Package and Lead Configuration

● Package Drawing: Type A



● Lead Configuration:

