

980nm High-power Laser Diode

Speciality

50mw CW optical power
High conversion efficiency
Standard TO-18 package

APPLICATION

Laser defense
Medicine
Infrared sources for night viewing
Information recognition etc



Specifications 25! "

| Model | Symbol | Unit | AL980T50 |
|-------------------------|-------------|----------|----------|
| Wavelength | λ_p | nm | 980±10 |
| CW Output Power | P_{OP} | mW | 50 |
| Threshold Current | I_{TH} | mA | ≤40 |
| Operation Current | I_{OP} | mA | ≤150 |
| Operation Voltage | V_{OP} | V | ≤2.2 |
| Differential Efficiency | % | mW/mA | 0.8 |
| Beam Divergence | B | ° (1/2°) | 40(12) |
| Series Resistance | R_S | Ω | ≤3 |
| Package Style | | | TO-18 |

Note:

- 1.ESD precautions must be taken when handling this product.
- 2.Laser radiation avoid direct exposure to beam.