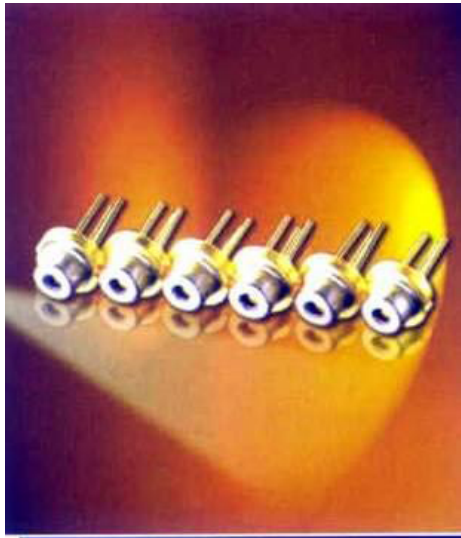


635nm visible Laser Diodes

Type: AL635T10



Features:

- Visible light: 635 ± 10nm
- Low threshold current: ≤ 25mA
- Output power: ≥ 10mW (CW)
- Index guided single transverse mode
- Standard TO-18 package (φ = 5.6mm)
- 50% high temperature operation
- Low astigmatism high reliability

Applications:

- Indicator.
- Point.

Absolute Maximum Ratings(T_c=25 °C)

Parameter	Units	Symbol	Rating
Optical power	mW	P _o	≥ 7
Operating temperature	°C	T _{op}	-10~50
Storage temperature	°C	T _{stg}	-40~85
LD reverse voltage	V	V _{RLD}	≤ 2
PD reverse voltage	V	V _{RPD}	≥ 30

Optical and electrical characteristics(T_c=25 °C) ±1%

Parameter	Symbol	Typical	Unit
Lasing wavelength	λ	635 ± 10	nm
Optical power	P _o	≥ 10	mw
Threshold current	I _{th}	≤ 30	mA
Operating current	I _{op}	≤ 55	mA
Operating voltage	V _{op}	≤ 2.2	V
Monitoring current	I _m	≥ 0.1	mA
Beam divergence	θ _∥	≤ 12	deg
	θ _⊥	≤ 35	

Note:

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

