

Wellco T&C Co., Ltd.

808 nm High-Power Laser Diode (AL0808T500)

Features:

Output power: 0.5w(CW)
Variety of stripe width
Efficient quantum well structure

Application:

Solid-state laser pumping
Medical usage
Beacons and Illumination
Free-space communication
Infrared light sources

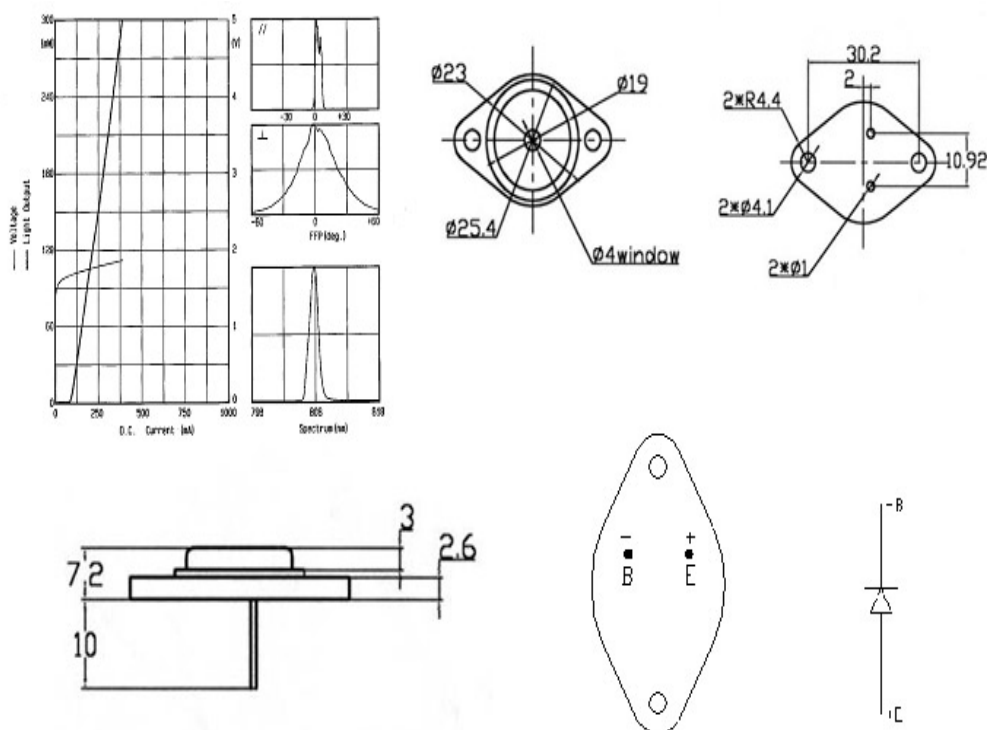


Specifications:

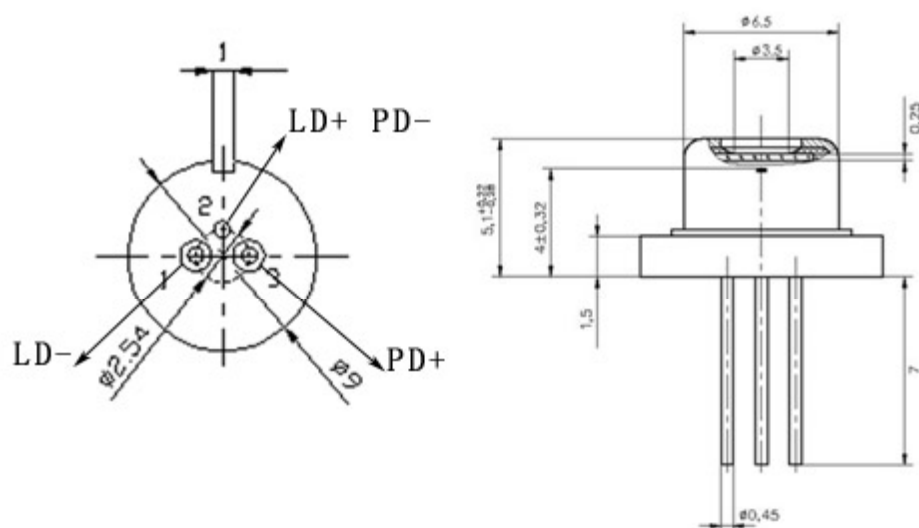
Parameter	Value
	AL808T500
CW output power (mW)	500
Peak wavelength (nm)	808, 3
Spectral width (nm)	– 5
Threshold current (A)	– 150
Operating current (A)	– 650
Operating voltage (V)	1.6~2.2
Operating Temperature	–10~50.
Storage Temperature	–40~85.
Slope efficiency (W/A)	/ 0.9
Beam divergence $\theta_1 \ \theta_2$ (deg.)	12/40
Wavelength temperature coefficient (nm/.)	0.3
Emitting area (μm)	501 1
Serial resistance (Ω)	– 1.5
Lifetime(h)	10000
Package	TO-5, TO-3, C-Mount

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TO-3 Package(Unit: mm)



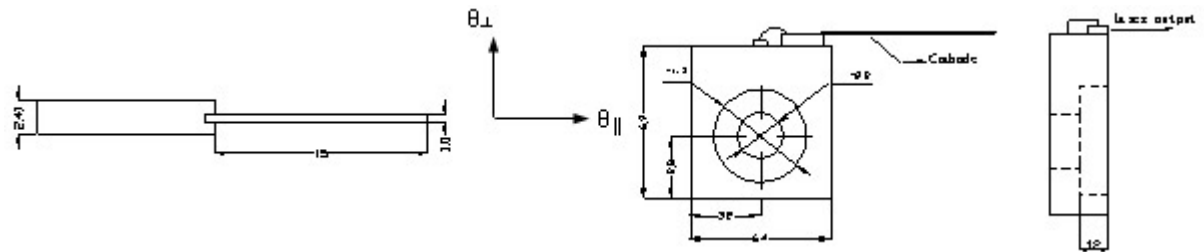
TO-5 Package (Unit: mm)



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-Mount heat sink (Unit : mm! Heat sink(+))

C-Mount 1 (C)



C-Mount 2 (S)

