660nm 200mW Laser Diode

■ Features & Applications

- **Pulse light output power 340mW**
- **Maximum operating temperature of 75℃**
- **Industrial applications**

■ Absolute Maximum Ratings (T=25℃)

Parameter	Symbol	Unit	Min.	Max.	Note
Optical Power	P_o	mW		340	Pulse *
				200	CW
LD Reverse voltage	V_{R-LD}	V		2	
Operating temperature	T_{op}	°C	-10	75	
Storage temperature	T_{stg}	°C	-40	100	

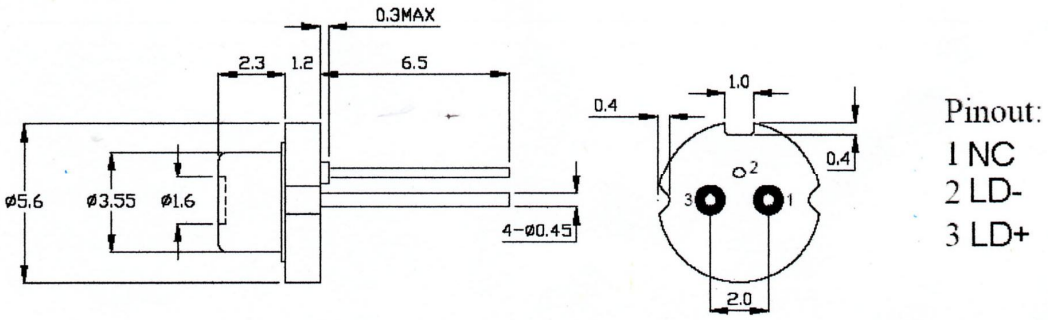
* Duty cycle less than 35%, pulse width less than 30ns.

■ Electro-Optical Characteristics (T=25℃, unless noted otherwise):

Parameter	Symbol	Unit	Min.	Typ	Max.	Test Condition
Threshold Current	I_{th}	mA	—	65	—	CW
Operating Current	I_{op}	mA	—	240	—	CW, P_o=150mW
Operating Voltage	V_{op}	V	—	2.4	3.0	CW, P_o=150mW
Differential efficiency	η	mW/mA		0.9		CW, Po=150mW
Parallel Divergence Angle	$\theta_{//}$	deg	7	9.5	12	CW, Po=150mW
Perpendicular Divergence Angle	$\theta_{\perp}$	deg	14	17	20	CW, Po=150mW
Peak Emission Wavelength	λ	nm	650	658	662	CW, Po=150mW

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

■ Outline Dimensions & Pinout (unit: mm)



Pinout:
1 NC
2 LD-
3 LD+

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