

Red Laser Diode

Part No: LD-660-8A-20-G-5



Features

- ※ Wavelength: $\lambda = 660\text{nm}$ (Type)
- ※ Output optical power: 800mW (CW)
- ※ Package: C-mount-b
- ※ Aperture Size: 150*1um

Applications

- ※ Industrial Use

Absolute Maximum Rating at $T_c=25^\circ\text{C}$

Items	Symbols	Values	Unit
Optical Output Power	P_o (CW)	800	mW
Laser Diode Reverse Voltage	V_r	2.3	V
Operating Temperature	T_{opr}	$-20 \sim +20$	$^\circ\text{C}$
Storage Temperature	T_{stg}	$-20 \sim +85$	$^\circ\text{C}$
Aperture Size	--	150*1	um

Electrical and Optical Characteristics at $T_c=25^\circ\text{C}$

Items	Symbols	Min	Type	Max.	Unit	Condition
Optical Output Power	P_o	-	800	-	mW	CW
Threshold Current	I_{th}	600	800	1000	mA	CW
Operating Current	I_{op}	1400	1600	1800	A	$P_o=800\text{mW}$
Slope Efficiency	η	-	1	1.2	W/A	$P_o=800\text{mW}$
Operating Voltage	V_{op}	2.1	2.2	2.5	V	$P_o=800\text{mW}$
Lasing Wavelength	λ	655	660	665	nm	$P_o=800\text{mW}$
Beam Divergence	//	6	8	10	$^\circ$	$P_o=800\text{mW}$
	\perp	30	34	38	$^\circ$	$P_o=800\text{mW}$

1) Measurement condition: CW

2) Full angle at half maximum.

3) All the above values are measured by OPELUS method.

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Package and Electrical connection

