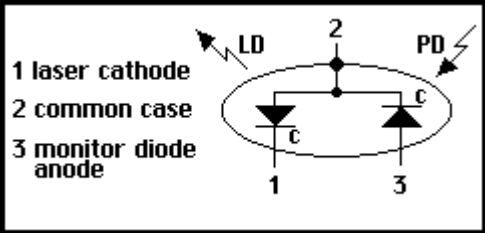


US-Lasers: 660nm-5mW - Red Laser Diode

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RED LASER DIODE DATA SHEETS

ABSOLUTE MAXIMUM RATINGS - ($T_c=25\text{ }^{\circ}\text{C}$)

TECHNICAL DATA Visible laser diode light output 660nm Optical power output 5mW CW Package Type 5.6mm Built-in photo diode for monitoring laser output	
Pin Out Diagram - Style A	

Items	Symbols	Values	Unit
Optical output power	Po	5	mW
Laser diode reverse voltage	V	2	V
Photo diode reverse voltage	V	30	V
Operating temperature	Topr	-10 ~ +60	$^{\circ}\text{C}$
Storage temperature	Tstg	-40 ~ +85	$^{\circ}\text{C}$

OPTICAL and ELECTRICAL CHARACTERISTICS - ($T_c=25\text{ }^{\circ}\text{C}$)

Items	Symbols	Min.	Typ.	Max.	Unit	Test Condition
Optical output power	Po	-	5	-	mW	-
Threshold current	Ith	-	20	40	mA	-
Operating current	Iop	-	40	60	mA	Po=5mW
Operating voltage	Vop	-	2.7	-	V	Po=5mW
Lasing wavelength		655	660	665	nm	Po=5mW
Beam divergence		-	5	11	deg	Po=5mW
Beam divergence		-	25	37	deg	Po=5mW
Monitor current	Is	-	10	20	uA	Po=5mW
Astigmatism	As	-	11	-	um	Po=5mW
MTTF			10000 hrs			Po=5mW
Emitter Size	10 x 60 Microns - Emitter Distance to Cap Lens = 0.3mm					
Structure	Index Guided					