



Lasertack

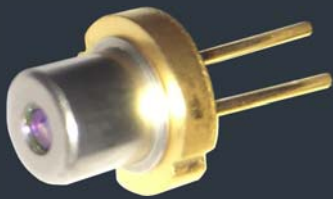
New Laser Generation

Datasheet

RLDG55 Red Laser Diode

Features

- Single Transverse Mode
- Can Type: $\phi 5.6\text{mm}$



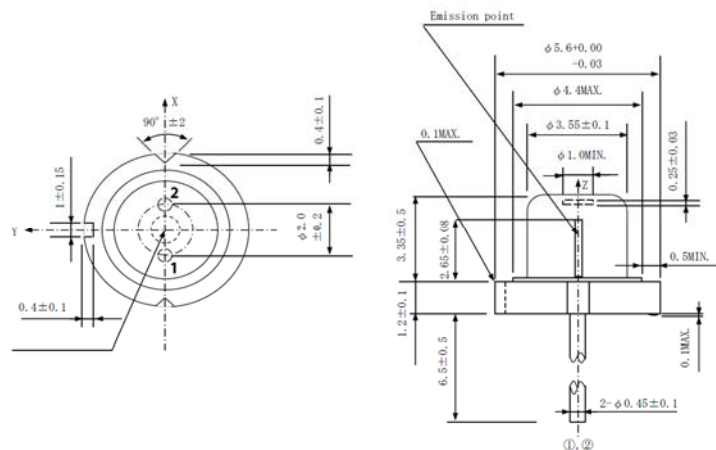
Absolute Maximum Ratings

Item	Symbol	Absolut max. Ratings	Unit
Forward Current	If	300	mA
Allowable Reverse Voltage	Ir (LD)	85	mA
Storage Temperature	Tstg	-40 ~ +100	°C
Operating Case Temperature	Tc	-5 ~ +60	°C

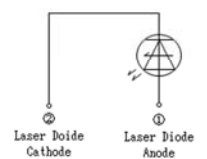
Optical Characteristics

Item	Condition	Symbol	Min	Typ	Max	Unit
Optical Output Power (25°C)	If=260mA	Po	-	200	-	mW
Dominant Wavelength (25°C)	If=260mA	λ_d	632	635	638	nm
Threshold Current (25°C)	CW	Ith	55	80	105	mA
Slope Efficiency	CW	η	0.5	0.95	1.2	mW/A
Operating Voltage	If=260mA	Vop	2.3	2.7	3.0	V
Beam Divergence	If=260mA	$\theta_{//}$	5	9	13	deg.
		$\theta_{\perp}$	13	18	23	deg.

Dimensions



[Terminal connection]



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