



Datasheet

NDB7675 Blue Laser Diode

Features

- Multi Transverse Mode
- Can Type: $\phi 9\text{mm}$
- ESD Protection Device

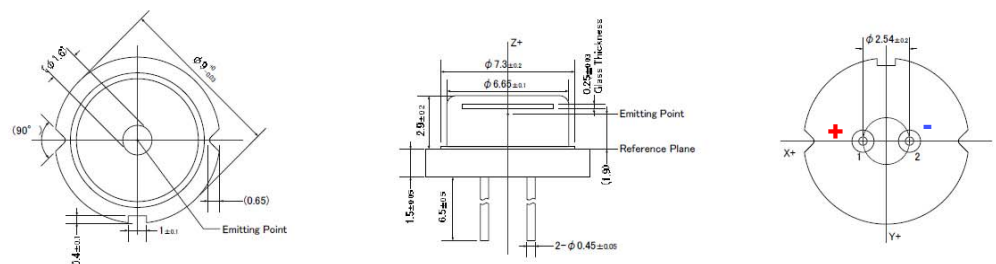
Absolute Maximum Ratings

Item	Symbol	Absolut max. Ratings	Unit
Forward Current ($T_c=25^\circ\text{C}$)	I_f	1.7	A
Allowable Reverse Current ($T_c=25^\circ\text{C}$)	I_r (LD)	85	mA
Storage Temperature	T_{stg}	-40~85	$^\circ\text{C}$
Operating Case Temperature	T_c	0~50	$^\circ\text{C}$

Optical Characteristics

Item	Condition	Symbol	Min	Typ	Max	Unit
Optical Output Power	$I_f=1.4\text{A}$	P_o	1.1	1.4	-	W
Dominant Wavelength	$I_f=1.4\text{A}$	λ_d	455	462	470	nm
Threshold Current	CW	I_{th}	100	-	220	mA
Slope Efficiency	CW	η	0.9	-	1.7	W/A
Operating Voltage	$I_f=1.4\text{A}$	V_{op}	3.8	-	5.6	V
Beam Divergence ($1/e^2$)	$I_f=1.4\text{A}$	$\theta_{//}$	5	14	25	deg.
		θ_{\perp}	35	44	50	deg.
Emission Point Accuracy	$I_f=1.4\text{A}$	$\Delta\theta_{\perp}$	-5.0	-	5.0	deg.

Dimensions



Units in mm



New Laser Generation

Fon: +49 561 70562870

Fax: +49 561 70562871

Mail: info@lasertack.com

Web: www.lasertack.com