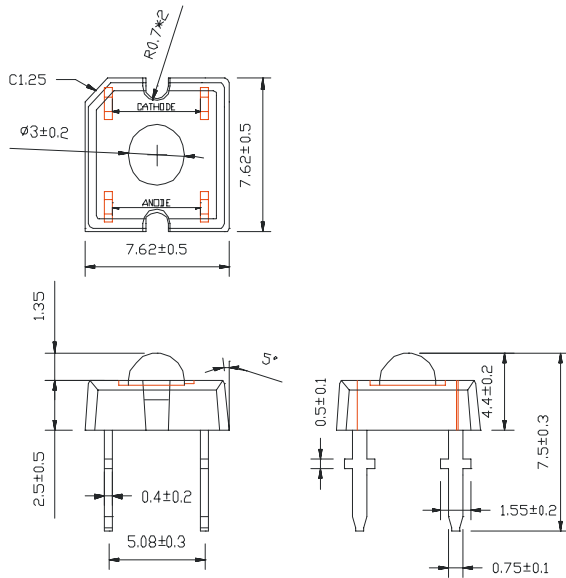


Device Selection Guide

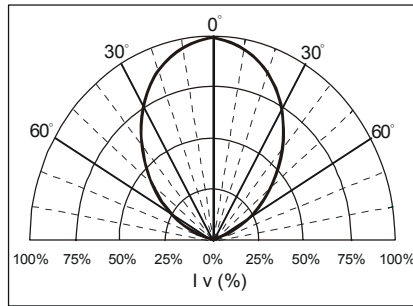
Part Number	Total Flux $\Phi_v(\text{lm}) @ I_F = 50\text{mA}$		Luminous Intensity $I_v(\text{mcd}) / \Phi_v(\text{lm})$ $@ I_F = 50\text{mA}$	Viewing Angle $2\theta_{1/2}$	Chromaticity $@ I_F = 20\text{mA}$		Forward Voltage $V_F(\text{V}) @ I_F = 50\text{mA}$		$I_R(\mu\text{A})$ $@ V_R = 5\text{V}$
	Min.	Typ.	Typ.	Typ.	X (Typ.)	Y (Typ.)	Typ.	Max.	Max.
ZW390B-037	2750	3800	0.3	90°	0.31	0.32	4.0	4.6	50

BIN #	E	F	G		
Total Flux (lm) $@ I_F = 50\text{mA}$	2750-3850	3850-5400	5400-7600		

Package Dimensions



Beam Pattern



Note:

- All dimensions are in millimeter.
- Unspecified tolerance : $\pm 0.20\text{mm}$.
- Protruded resin under bottom surface of epoxy is 1.5mm max.
- Lead spacing is measured where the leads emerge from the package
- Specifications are subject to be changed without notice.

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Parameter	Symbol	Maximum Value	USER---APPROVED
Average Forward Current	I_F	50mA	
Peak Forward Current ^[a]	I_{peak}	80mA	
Reverse Voltage	V_R	5V	
Power Dissipation	P_D	230mW	
Operating Temperature Range	T_{OPR}	$-40^\circ\text{C} \sim +85^\circ\text{C}$	
Storage Temperature Range	T_{STO}	$-40^\circ\text{C} \sim +100^\circ\text{C}$	
Lead Soldering Temperature	T_{SOL}	$260^\circ\text{C} / 5\text{ seconds}$	

Notes: [a] Duty Ratio = 1/10, Pulse Width = 0.1ms.

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