

ZW3A2A-643

Date	Spec Number
2003/7/15	S-643

Device Selection Guide

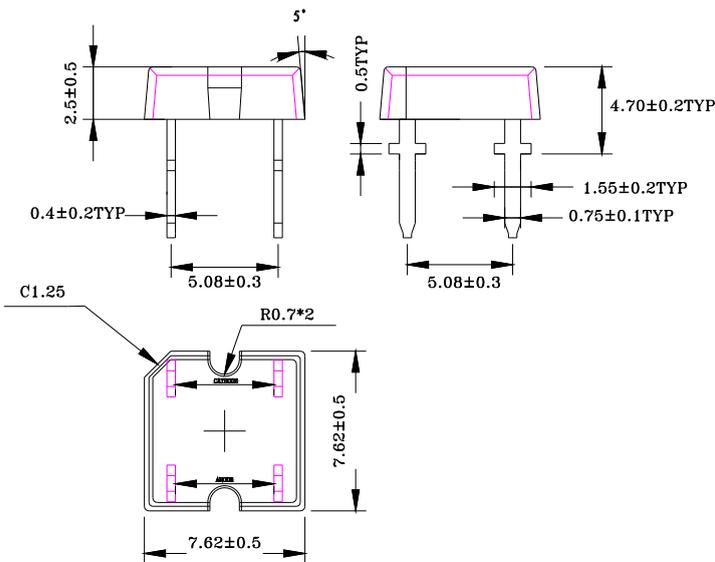
PRELIMINARY 3

Part Number	Total Flux $\Phi_V(\text{mlm})^{[1]}$ @ $I_F = 50 \text{ mA}$		Luminous Intensity $I_V(\text{mcd})/\Phi_V$ @ $I_F = 50 \text{ mA}$	Viewing Angle $2\theta_{1/2}$	Chromaticity @ $I_F = 50 \text{ mA}$		V_F @ $I_F = 50 \text{ mA}$		$I_R(\mu\text{A})$ @ $V_R = 5\text{V}$
	Min.	Typ.	Typ.	Typ.	X(Typ.)	Y(Typ.)	Typ.	Max.	Max.
ZW3A2A-643	1430	2500	0.33	120°	0.31	0.32	4.0	4.6	100

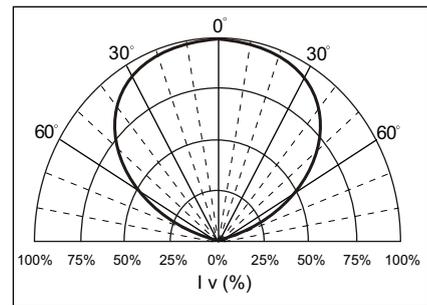
BIN#	C	D	E		
Total Flux(mlm) @ $I_F = 50 \text{ mA}$	1430-2000	2000-2750	2750-3850		

Notes: [1] Tolerance Value of $\Phi_V \pm 15\%$.

Package Dimensions



Beam Pattern



Note:

- All dimensions are in millimeters.
- Tolerance is $\pm 0.20\text{mm}$ unless otherwise noted.
- 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 change without notice.

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

Parameter	Symbol		<i>USER---APPROVED</i>
DC Forward Current	I_f	50mA	
Reverse Voltage	V_r	5V	
Power Dissipation	P_D	230mW	
Operating Temperature Range	T_{opr}	-40°C to + 85°C	
Storage Temperature Range	T_{sto}	-40°C to + 100°C	
Lead Soldering Temperature	T_{sol}	260°C for 5 Seconds	

Notes: Duty Ratio=1/10, Pulse Width=0.1 ms