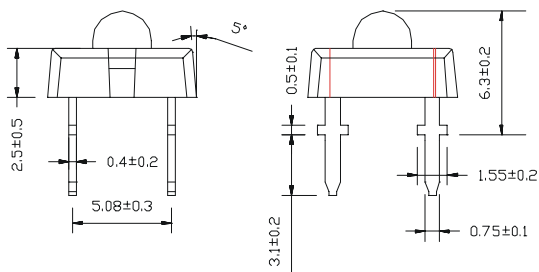
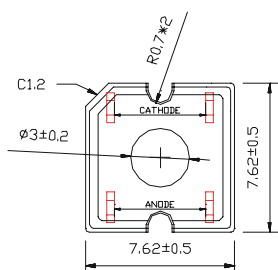


## Device Selection Guide

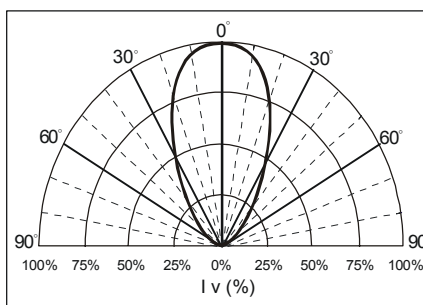
Part Number EOZ-	Total Flux $\Phi_v(\text{mIm}) @ I_F = 70\text{mA}$		Luminous Intensity $I_v(\text{mcd}) / \Phi_v(\text{mIm})$ $@ I_F = 70\text{mA}$	Viewing Angle $2\theta_{1/2}$	Dominant Wavelength $\lambda_D(\text{nm}) @ I_F = 70\text{mA}$	Forward Voltage $V_F(\text{V}) @ I_F = 70\text{mA}$		$I_R(\mu\text{A})$ $@ V_R = 10\text{V}$
	Min.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Max.
ZAYNCD0-DG	1000	1700	1.10	60°	589	2.3	2.6	100

BIN #	B	C	D		
Total Flux (mIm) $@ I_F = 70\text{mA}$	1000-1430	1430-2000	2000-2750		

## 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	$I_F$	70mA	
Peak Forward Current <sup>[a]</sup>	$I_{\text{peak}}$	100mA	
Reverse Voltage	$V_R$	10V	
Power Dissipation	$P_D$	182mW	
Operating Temperature Range	$T_{\text{OPR}}$	-40°C ~ + 85°C	
Storage Temperature Range	$T_{\text{STO}}$	-40°C ~ + 100°C	
Lead Soldering Temperature	$T_{\text{SOL}}$	260°C / 5 seconds	

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

### Headquarters

5F, No. 1, Creation Road II, Hsinchu Science Park,  
Hsinchu, Taiwan 300, R.O.C.  
Tel : 886-3-5679000 Fax : 886-3-5679999  
http://www.eoi.com.tw E-mail : Service@eoi.com.tw

### U.S. Office

1400 W. Lambert Road, Suite B,  
Brea, CA92821, U.S.A  
Tel : 1-562-694-1246 Fax : 1-562-691-3087  
http://www.eoi-us.com E-mail : Sales@eoius.com

