EXCELLENCE OPTO. INC.

EOZ-ZBFHCD0-EG

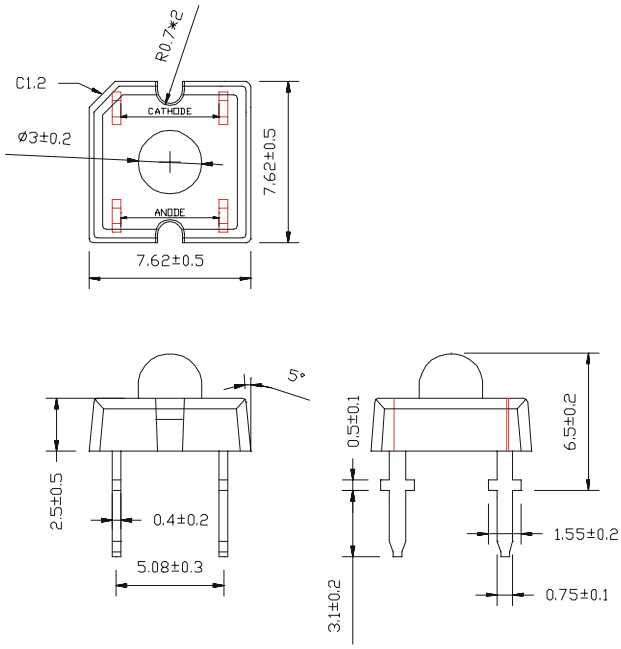
Date	Spec. Number	Ver.
2006/4/4	TZ-059-00	A-00

Device Selection Guide

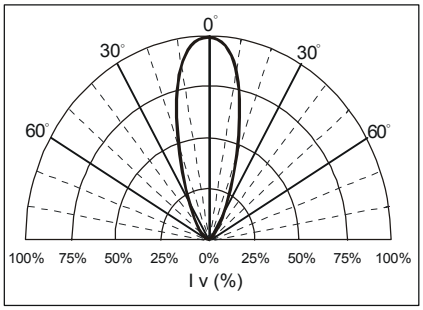
Part Number EOZ-	Total Flux Φv(mlm) @ I_F = 50mA		Luminous Intensity Iv(mcd) / Φv(mlm) @ I_F = 50mA	Viewing Angle $2\theta_{1/2}$	Dominant Wavelength λ_D(nm) @ I_F = 50mA	Forward Voltage V_F (v) @ I_F = 50 mA		I_R(μA) @ V_R = 5V
	Min.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Max.
ZBFHCD0-EG	2750	4500	1.90	40°	525	4.0	4.6	10

BIN #	E	F	G		
Total Flux (mlm) @ I_F=50mA	2750-3850	3850-5400	5400-7600		

Package Dimensions



Beam Pattern



Note:

- All dimensions are in millimeter.
- Unspecified tolerance : ±0.20mm.
- Protruded resin under bottom surface of epoxy is1.5mm 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℃

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℃ ~ + 85℃	
Storage Temperature Range	T_{STO}	-40℃ ~ + 100℃	
Lead Soldering Temperature	T_{SOL}	260℃ / 5 seconds	

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

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