EXCELLENCE OPTO. INC.

EOS-9ZPYCR0-KK

Date	Spec. Number	Ver.
2006/4/6	S-025-00	B-00

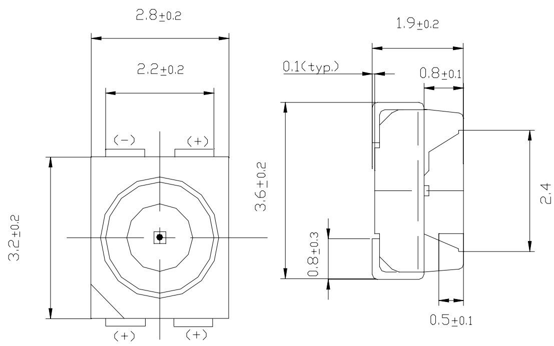
Device Selection Guide

Part Number EOS-	Luminous Intensity Iv(mcd) @ 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.	Max.	Max.
9ZPYCR0-KK	900	1200	120°	615	2.1	2.75	10

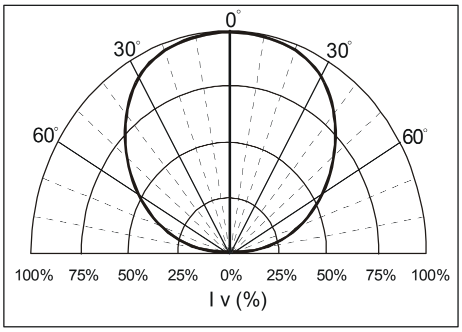
BIN #	5V	4W	5W	4X*	
Intensity (mcd) @ I_F=50mA	900-1125	1125-1400	1400-1800	1800-2240	

Note : [∗] Bin with less distribution.

Package Dimensions



Beam Pattern



Note:

- All dimensions are in millimeter.
- Tolerance is ±0.20mm unless otherwise note.
- 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	70mA	
Peak Forward Current[a]	I_{peak}	100mA	
Reverse Voltage	V_R	5V	
Power Dissipation	P_D	192.5mW	
Operating Temperature Range	T_{OPR}	-40℃ ~ + 100℃	
Storage Temperature Range	T_{STO}	-40℃ ~ + 100℃	
Lead Soldering Temperature	T_{SOL}	260℃ / 5 seconds	

Notes: [a] tp ≦ 10μs, Duty Cycle = 0.005

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