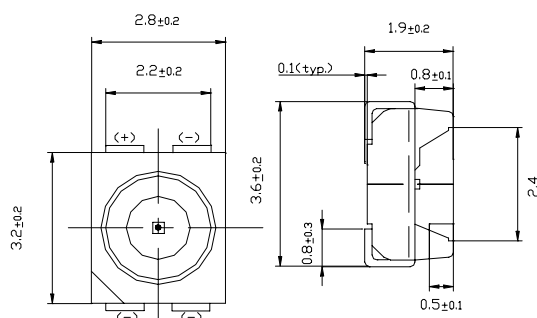


Device Selection Guide

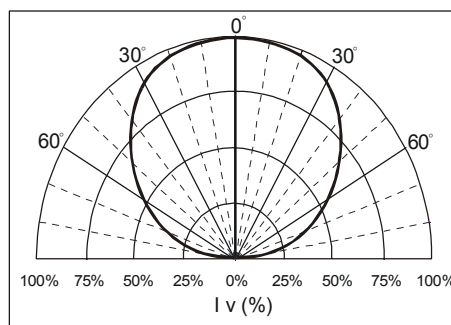
Part Number EOS-	Luminous Intensity $I_v(\text{mcd}) @ I_F = 30\text{mA}$		Viewing Angle $2\theta_{1/2}$	Dominant Wavelength $\lambda_D(\text{nm}) @ I_F = 30\text{mA}$	Forward Voltage $V_F(\text{V}) @ I_F = 30\text{mA}$		$I_R(\mu\text{A}) @ V_R = 5\text{V}$
	Min.	Typ.	Typ.	Typ.	Typ.	Max.	Max.
9ZBQCR0-GG	224	400	120°	470	3.9	4.25	10

BIN #	5S	4T	5T	4U	5U
Intensity (mcd) @ $I_F = 30\text{mA}$	224-285	285-355	355-450	450-560	560-715

Package Dimensions



Beam Pattern



Note:

- All dimensions are in millimeter.
- Tolerance is $\pm 0.20\text{mm}$ unless otherwise note.
- 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	30mA	
Peak Forward Current ^[a]	I_{peak}	200mA	
Reverse Voltage	V_R	5V	
Power Dissipation	P_D	127.5mW	
Operating Temperature Range	T_{OPR}	$-40^\circ\text{C} \sim +100^\circ\text{C}$	
Storage Temperature Range	T_{STO}	$-40^\circ\text{C} \sim +100^\circ\text{C}$	
Lead Soldering Temperature	T_{SOL}	260°C / 5 seconds	

Notes: [a] $t_p \leq 10 \mu\text{s}$, Duty Cycle = 0.005

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