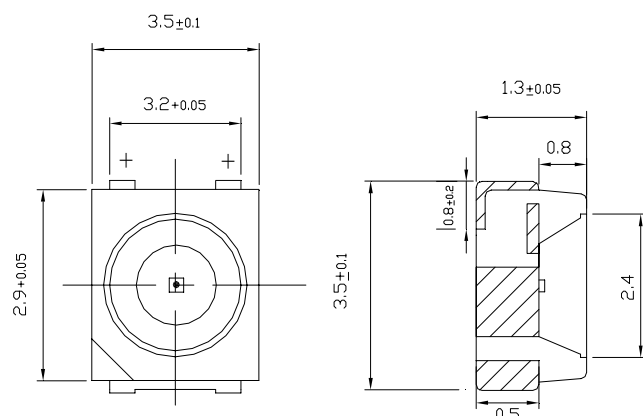


Device Selection Guide

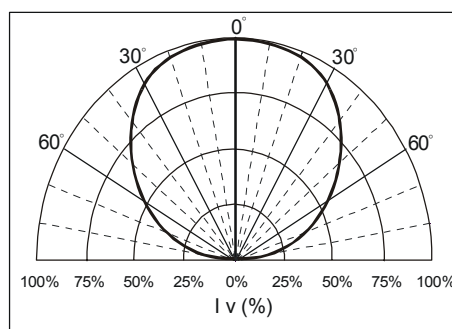
Part Number EOS-	Luminous Intensity I_v (mcd) @ $I_F = 50\text{mA}$		Viewing Angle $2\theta_{1/2}$	Dominant Wavelength λ_D (nm) @ $I_F = 50\text{mA}$	Forward Voltage V_F (v) @ $I_F = 50\text{mA}$		I_R (μA) @ $V_R = 5\text{V}$
	Min.	Typ.	Typ.	Typ.	Typ.	Max.	Max.
EOS-9BBYCR0-GG	285	400	120°	470	4.7	5.15	10

BIN #	4T	5T	4U	
Intensity (mcd) @ $I_F = 50\text{mA}$	285-355	355-450	450-560	

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	50mA	
Peak Forward Current ^[a]	I_{peak}	200mA	
Reverse Voltage	V_R	5V	
Power Dissipation	P_D	257.5mW	
Operating Temperature Range	T_{OPR}	-40°C ~ + 85°C	
Storage Temperature Range	T_{STO}	-40°C ~ + 100°C	
Lead Soldering Temperature	T_{SOL}	260°C / 5 seconds	

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

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

