EXCELLENCE OPTO. INC.
EOI Group

EOS-9ARSCR0-KL

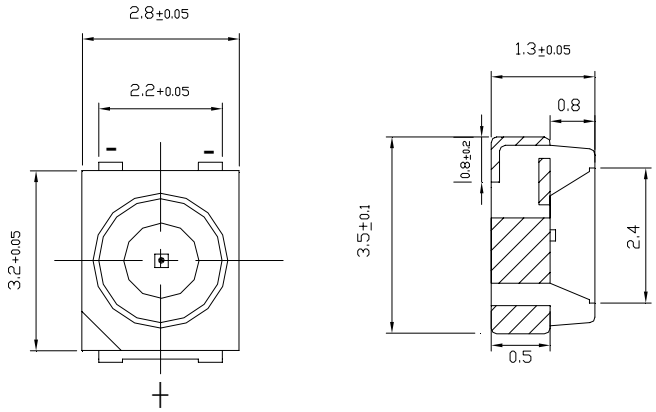
Date	Spec. Number	Ver.
2006/12/7	TS-046-00	PRELIMINARY

Device Selection Guide

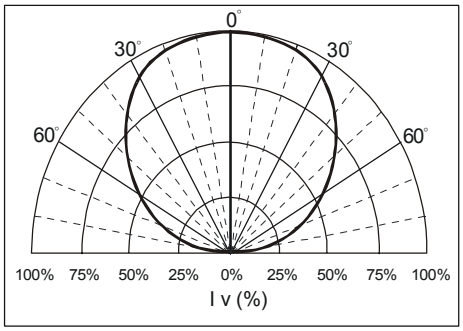
Part Number EOS-	Luminous Intensity Iv(mcd) @ I_F = 150mA		Viewing Angle $2\theta_{1/2}$	Dominant Wavelength λ_D(nm) @ I_F = 150mA	Forward Voltage V_F (v) @ I_F =150 mA		I_R(μA) @ V_R = 5V
	Min.	Typ.	Typ.	Typ.	Typ.	Max.	Max.
EOS-9ARSCR0-KL	2240	2850	120°	625	2.75	3.05	10

BIN #	5X	4Y	5Y	
Intensity (mcd) @ I_F=150mA	2240-2850	2850-3550	3550-4500	

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	150mA	
Peak Forward Current[a]	I_{peak}	100mA	
Reverse Voltage	V_R	5V	
Power Dissipation	P_D	457.5mW	
Operating Temperature Range	T_{OPR}	-40℃ ~ + 85℃	
Storage Temperature Range	T_{STO}	-40℃ ~ + 100℃	
Lead Soldering Temperature	T_{SOL}	260℃ / 5 seconds	

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

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