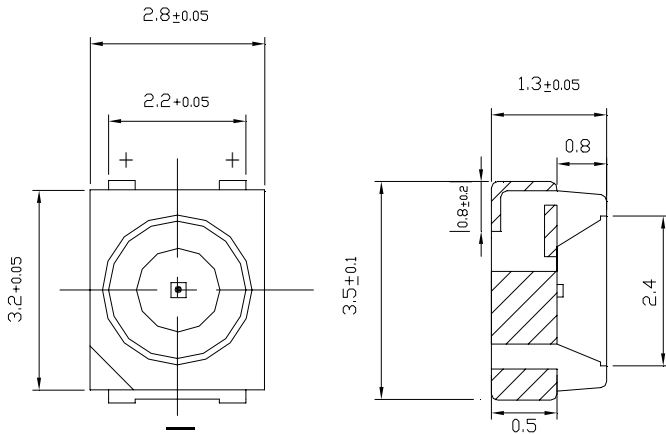


## Device Selection Guide

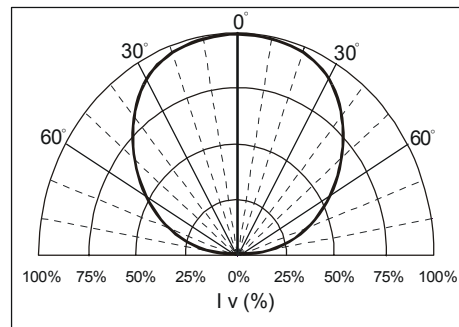
Part Number EOS-	Luminous Intensity Iv(mcd) @ I <sub>F</sub> = 150mA		Viewing Angle 2θ <sub>1/2</sub>	Chromaticity @ I <sub>F</sub> = 150 mA		Forward Voltage V <sub>F</sub> (v) @ I <sub>F</sub> =150 mA		I <sub>R</sub> (μA) @ V <sub>R</sub> = 5V
	Min.	Typ.	Typ.	X(Typ.)	Y(Typ.)	Typ.	Max.	Max.
EOS-9AWSPRO-EL	2850	5000	120°	0.31	0.32	3.8	4.25	10

BIN #	4Y	5Y	4Z	5Z	Z1
Intensity (mcd) @ I <sub>F</sub> =150mA	2850-3550	3550-4500	4500-5600	5600-7150	7150-9000

## 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<sub>A</sub> = 25°C

Parameter	Symbol	Maximum Value	USER---APPROVED
Average Forward Current	I <sub>F</sub>	150mA	
Peak Forward Current <sup>[a]</sup>	I <sub>peak</sub>	200mA	
Reverse Voltage	V <sub>R</sub>	5V	
Power Dissipation	P <sub>D</sub>	637.5mW	
Operating Temperature Range	T <sub>OPR</sub>	-40°C ~ + 85°C	
Storage Temperature Range	T <sub>STO</sub>	-40°C ~ + 100°C	
Lead Soldering Temperature	T <sub>SOL</sub>	260°C / 5 seconds	

Notes: [a] t<sub>p</sub> ≤ 10 μs, Duty Cycle = 0.005

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