

White LED

SW603A-042

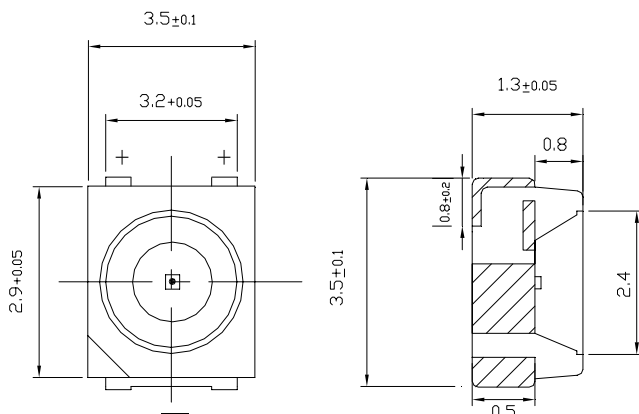
Date	Spec. Number	Ver.
2007/1/15	TS-042-00	PRELIMINARY

Device Selection Guide

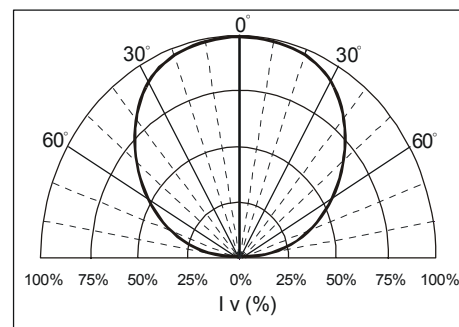
Part Number EOS-	Luminous Intensity Iv(mcd) @ I _F = 50mA		Viewing Angle 2θ _{1/2}	Chromaticity @ I _F = 50 mA		Forward Voltage V _F (V) @ I _F = 50 mA		I _R (μA) @ V _R = 5V
	Min.	Typ.	Typ.	X(Typ.)	Y(Typ.)	Typ.	Max.	Max.
SW603A-042	900	1500	120°	0.31	0.32	4.7	5.15	10

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

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°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] $t_p \leq 10 \mu s$, Duty Cycle = 0.005

Headquarters

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