

Features

- Top View type LED
- White SMD Package
- Wide viewing angle 120
- Dimension(mm):3.0×2.0×1.3T
- High efficiency
- Long time reliability

Applications

- Indoor & outdoor display
- Illuminated advertising
- Middle size BLU
- Interior automotive lighting
- General lighting
- Amusement equipment

Absolute Maximum Ratings

Parameter	Symbol	Value	Unit
Forward current	I_F	30	mA
Peak Forward Current	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Operating Temperature	T_{opr}	-40~+85	°C
Storage Temperature	T_{stg}	-40~+100	°C

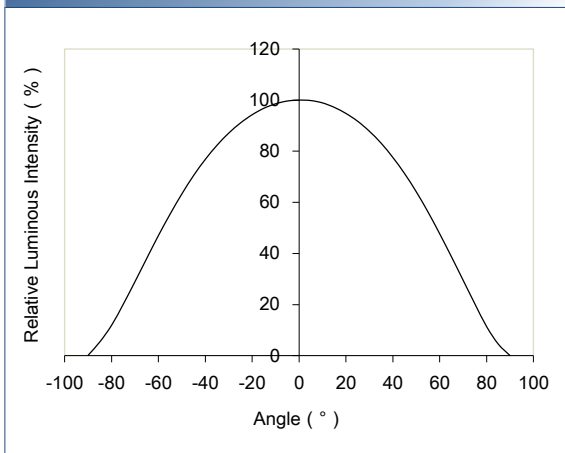
Note:
 I_{FP} Conditions: Pulse Width \leq 10msec. and Duty \leq 1/10.

Electro-Optical Characteristics ($T_j=25^\circ\text{C}$)

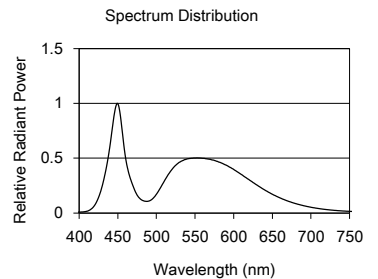
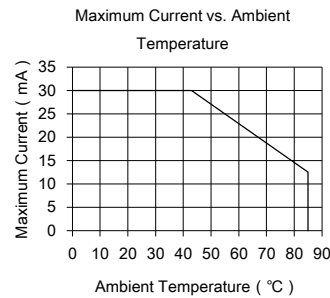
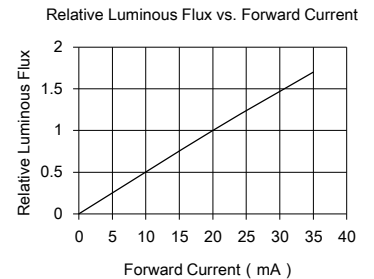
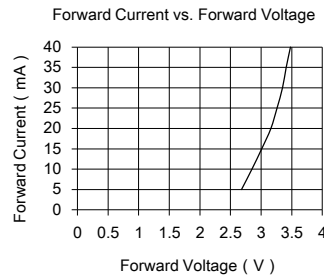
Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=20\text{mA}$	2.8	--	3.5	V
Luminous Intensity	I_V	$I_F=20\text{mA}$	--	1800	--	mcd
Color Coordinate	x	$I_F=20\text{mA}$	--	0.29	--	
	y		--	0.28	--	
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	--	120	--	deg.

Note:
 (1) Tolerance: Luminous flux: $\pm 10\%$, V_f : $\pm 0.1\text{V}$, X,Y: ± 0.01 , Ra: ± 2
 (2) All measurement are under ShineOn standard test environment.
 (3) Color Coordinate sorting standard : ShineOn sorting ranks or custom

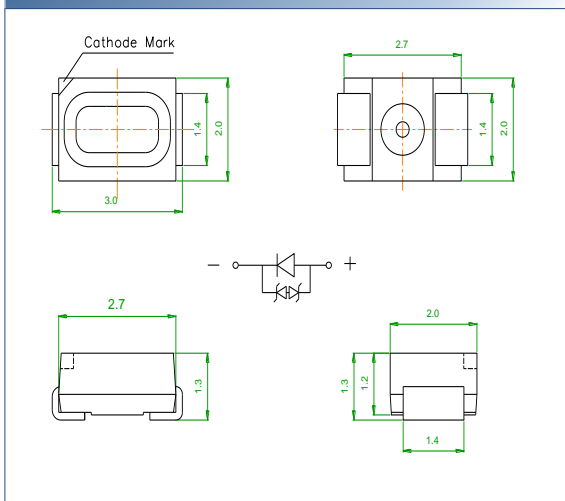
Typical Spatial Distribution



Characteristics



Package Dimensions



Carrier Tape

