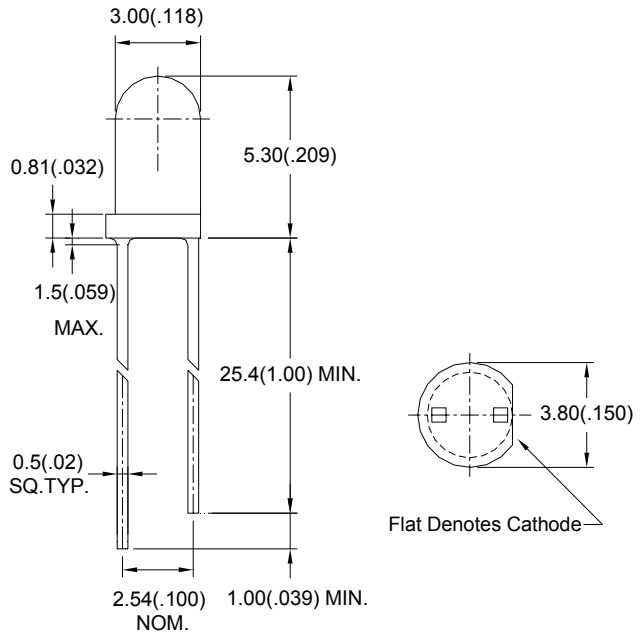
● Features:

1. Chip material: AlInGaN
2. Emitted color : Super Blue
3. Lens Appearance : Water Clear
4. Low power consumption.
5. High efficiency.
6. Versatile mounting on P.C. Board or panel.
7. Low current requirement.
8. T-1 3/4 type package
9. This product don't contained restriction substance, compliance ROHS standard.

● Applications:

1. TV set
2. Monitor
3. Telephone
4. Computer
5. Circuit board

●Package dimensions:



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25mm (0.01") unless otherwise specified.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.

● Absolute Maximum Ratings(Ta=25℃)

Parameter	Symbol	Raing	Unit
Power Dissipation	Pd	120	mW
Forward Current	I_F	30	mA
Peak Forward Current*[1]	I_{FP}	150	mA
Reverse Voltage	V_R	5	V
Operating Temperature	Topr	-40℃~80℃	
Storage Temperature	Tstg	-40℃~85℃	
Soldering Temperature	Tsol	260℃(for 5 seconds)	

*[1]Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width.

● Electrical and optical characteristics(Ta=25℃)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	VF	IF=20mA	-	3.5	4.0	V
Luminous Intensity	Iv	IF=20mA	-	750	-	mcd
Reverse Current	IR	VR=5V	-	-	100	μA
Peak Wave Length	λp	IF=20mA	-	470	-	nm
Dominant Wave Length	λd	IF=20mA	460	-	480	nm
Spectral Line Half-width	Δλ	IF=20mA	-	30	-	nm
Viewing Angle	2θ1/2	IF=20mA	-	25	-	deg

● Typical Electro-Optical Characteristics Curves

Fig.1 Relative intensity vs. Wavelength

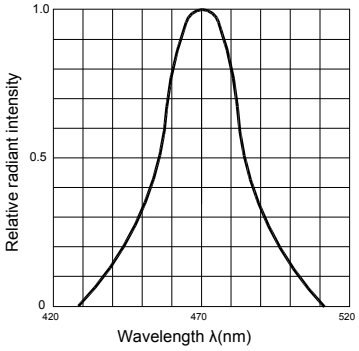


Fig.2 Forward current derating curve vs. Ambient temperature

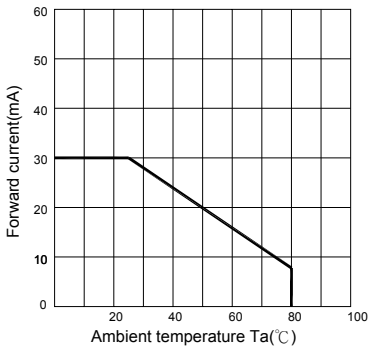


Fig.3 Forward current vs. Forward voltage

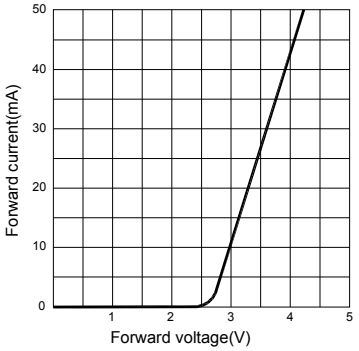


Fig.4 Relative luminous intensity vs. Ambient temperature

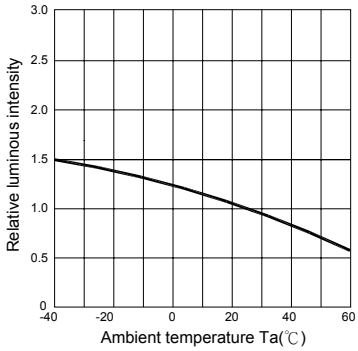


Fig.5 Relative luminous intensity vs. Forward current

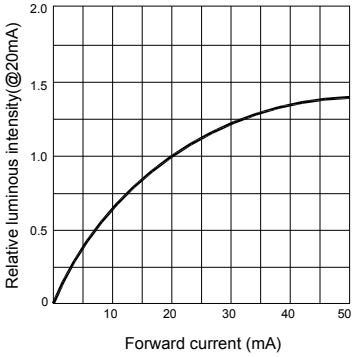
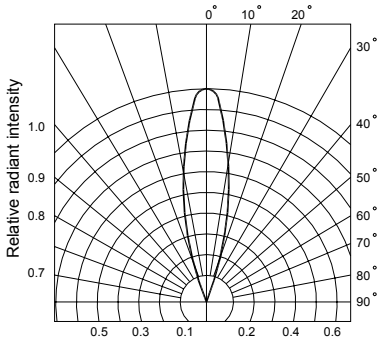


Fig.6 Radiation diagram



● Bin Limits

1. Intensity Bin Limits (At I_F= 20mA)

Bin Code	Min. (mcd)	Max. (mcd)
:	:	:
T	280	550
U	410	820
V	620	1230
W	930	1840
X	1390	2760
:	:	:

2. Color Bin Limits (At I_F=20mA) : Dominant Wave Length λd(nm)

Bin Code	Min. (nm)	Max. (nm)
3	459	466
4	464	471
5	569	476
6	474	481

● Bin : x x