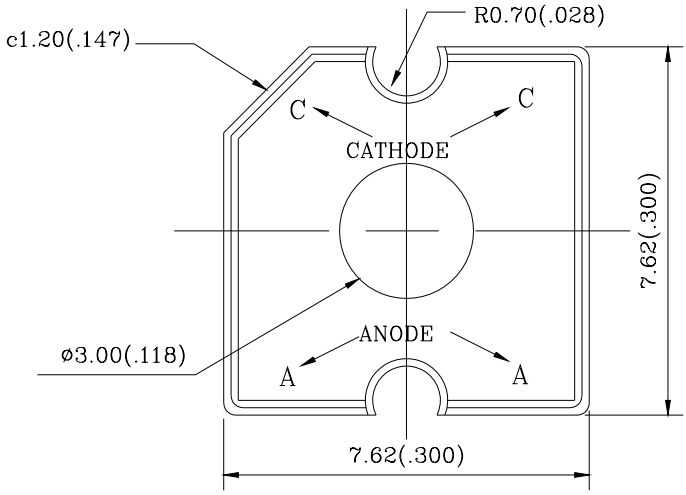
PACKAGE DIMENSIONS



Note:

1.All Dimensions are in millimeters.

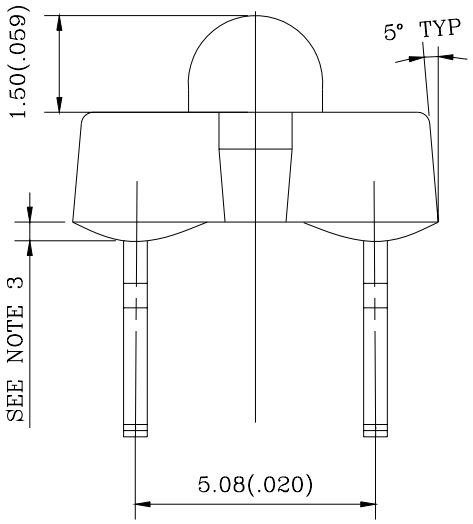
2.Tolerance is ±0.25mm(0.010 ")
Unless otherwise specified.

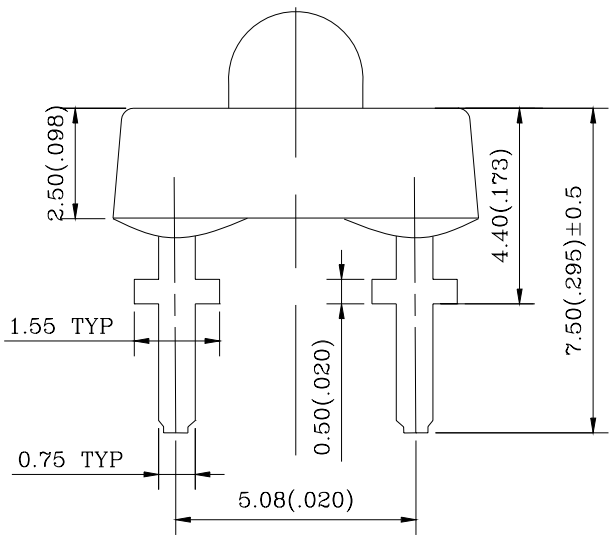
3.Protruded resin under flange
is 1.5mm(0.059 ") max.

4.Lead spacing is measured where the leads emerge from the package.

5.Specification are subject to change without notice

6.highlight <-400V the led can withstand the max static level when assembling or operation.





FEATURES

* HIGH POWER LED LAMP
* HIGH FLUX OUTPUT
* DESIGNED FOR HIGH CURRENT OPERATION
* LOW THERMAL RESISTANCE
* LOW PROFILE
* RELIABLE
* PACKAGED IN TUBES FOR USE WITH AUTOMATIC INSERTION EQUIPMENT

CHIP MATERIALS

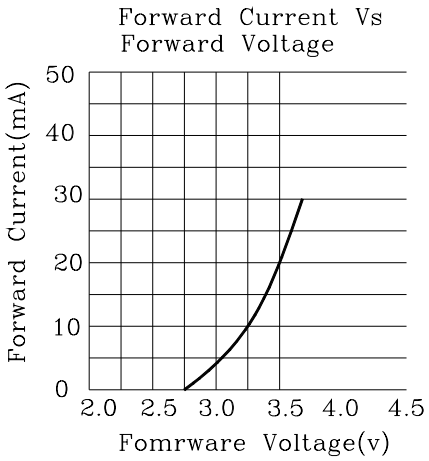
* Dice Material : GaInN/GaN
* Light Color : ULTRA WHITE
* Lens Color : WATER CLEAR

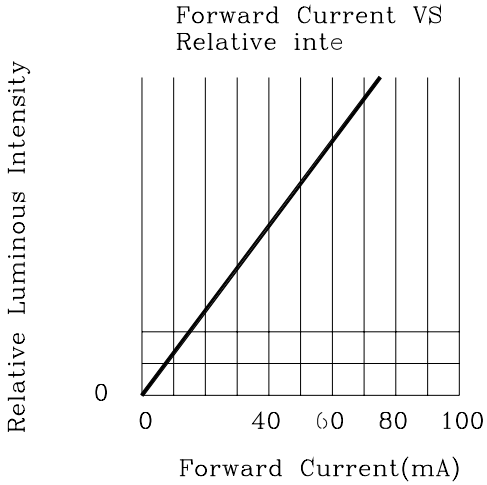
ABSOLUTE MAXIMUM RATING:(Ta＝25°C)

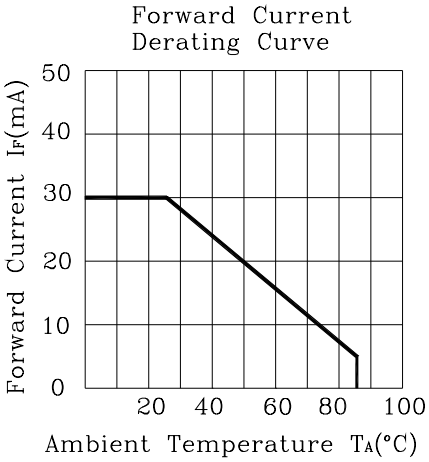
SYMBOL	DESCRIPTION	ULTRA WHITE	UNIT
P_{AD}	Power Dissipation Per Chip	120	mW
V_R	Reverse Voltage Per Chip	5	V
I_F	Average Forward Current Per Chip	30	mA
-	Derating Linear From 25°C Per Chip	0.4	mA/°C
Topr	Operating Temperature Range	-25°C to 85°C	
Tstg	Storage Temperature Range	-40°C to 85°C	
Lead Soldering Temperature ｛1.6mm(0.063 inch) From Body｝ 260°C±5°C For 5 Seconds			

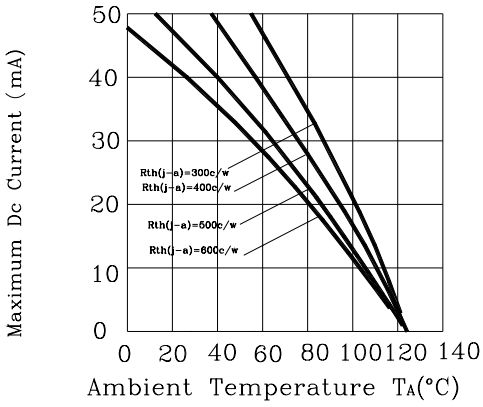
ELECTRO-OPTICAL CHARACTERISTICS:(Ta=25°C)

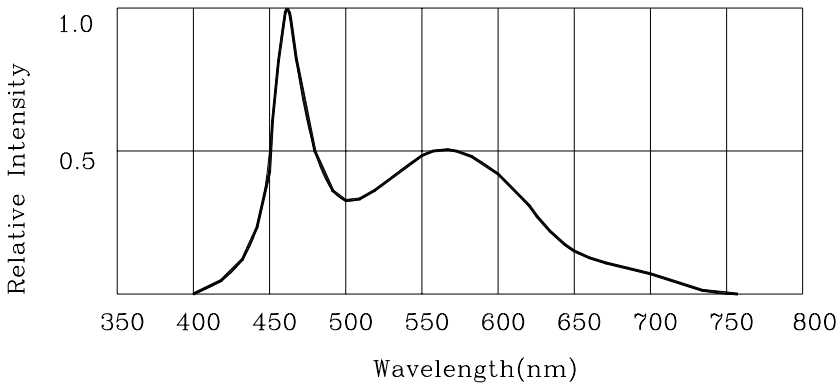
SYMBOL	DESCRIPTION	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
V_F	Forward Voltage	I_F = 20mA		3.5	4.0	V
I_R	Reverse Current	V_R = 5V			100	μA
2θ1/2	Half Intensity Angle	I_F = 20mA		70		deg
Φv	Total flux	I_F = 30mA		6300		mlm
X	Chromaticity Coordinates	I_F = 20mA		0.29		
Y		I_F = 20mA		0.30		

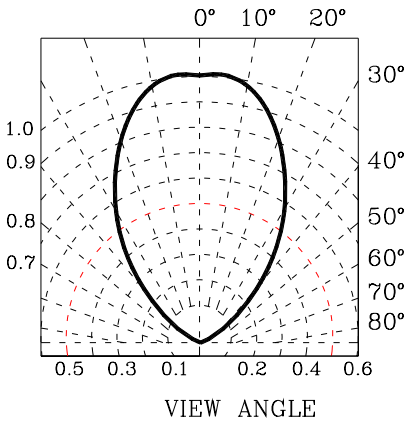

Forward Current Vs
Forward Voltage
Forward Current(mA)
50
40
30
20
10
0
2.0 2.5 3.0 3.5 4.0 4.5
Fomrware Voltage(v)


Forward Current VS
Relative inte
Relative Luminous Intensity
0
0 40 60 80 100
Forward Current(mA)


Forward Current
Derating Curve
Forward Current IF(mA)
50
40
30
20
10
0
20 40 60 80 100
Ambient Temperature TA(°C)


Maximum Dc Current (mA)
50
40
30
20
10
0
Rth(j-a)=300c/w
Rth(j-a)=400c/w
Rth(j-a)=500c/w
Rth(j-a)=600c/w
0 20 40 60 80 100120 140
Ambient Temperature TA(°C)


Relative Intensity
1.0
0.5
350 400 450 500 550 600 650 700 750 800
Wavelength(nm)


0° 10° 20°
30°
40°
50°
60°
70°
80°
1.0
0.9
0.8
0.7
0.5 0.3 0.1 0.2 0.4 0.6
VIEW ANGLE