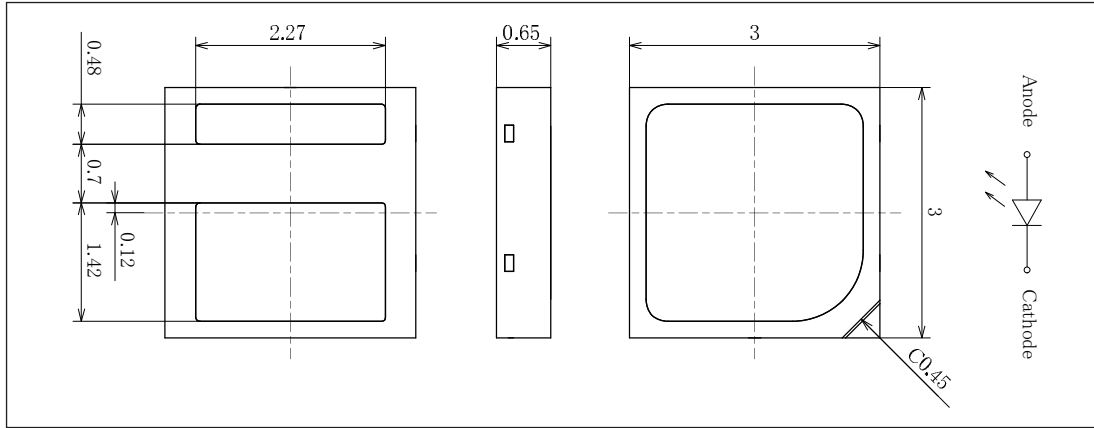


**TN3030H27(5000K)**  
White Hi LED

Outer Dimension (Unit:mm)



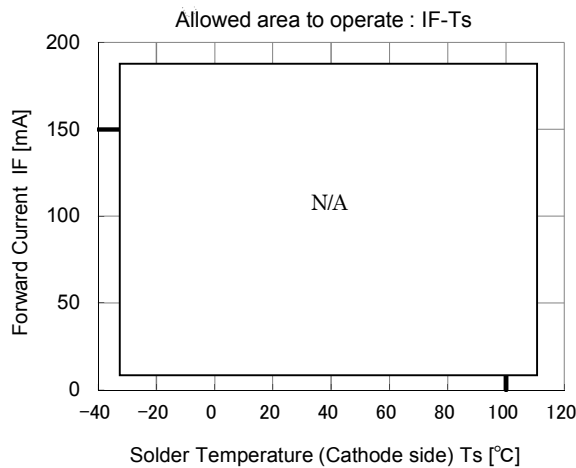
Item	Material
Package	Heat-Resistant Polymer
Encapsulation Resin	Silicone Resin + Phosphor
Lead Frame	Cu Alloy + Ag Plating

- The size of the product doesn't contain burr, etc.
- General Tolerance: ±0.2mm

Absolute Maximum Ratings[Ta=25°C]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	980	mW
DC Forward Current*	IF	150	mA
Pulse Forward Current**	IFP	250	mA
Reverse Voltage	VR	5	V
Operating Temperature	TOPR	-40 ~ +100	°C
Storage Temperature	TSTG	-40 ~ +100	°C
Dice Temperature	TJ	120	°C

\* Use under these conditions (IF-Ta Characteristic) below

\*\* Duty 1% and Pulse Width=10msec.



Electro-Optical Characteristics [Ta=25°C]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=120mA	5.8	6.2	6.6	V
Reverse Current	IR	VR=5V			5	uA
Luminous Flux <sup>(1)</sup>	ΦV	IF=120mA	105	115	125	lm
Chromaticity <sup>(2)</sup>	Cx	IF=120mA		0.3447		-
	Cy			0.3553		
CRI <sup>(3)</sup>	Ra	IF=120mA	80			-

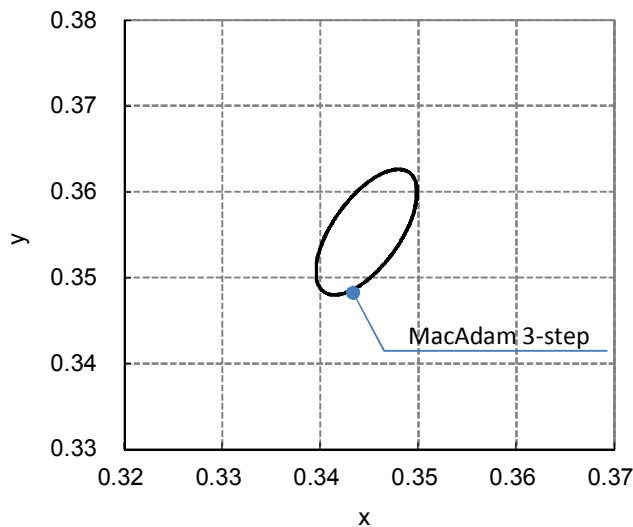
Following Forward Voltage Ranking is applied. (IF=120mA, Ta=25°C)	
Rank	VF (V)
1	5.8 ~ 6.0
2	6.0 ~ 6.2
3	6.2 ~ 6.4
4	6.4 ~ 6.6

- Forward Voltage Measurement Tolerance is ±3%

Following Luminous Flux Ranking is applied. (IF=120mA, Ta=25°C)	
Rank	Luminous Flux (lm)
3	105 ~ 110
4	110 ~ 115
5	115 ~ 120
6	120 ~ 125

- Luminous Intensity Measurement Tolerance is ±5%

**Chromaticity (IF=120mA, Ta=25°C)**



- Color Coordinates Measurement Tolerance is ±0.005.
- CRI Measurement Tolerance is ±4
- The property value is at the time of the shipment, and the property value changes at time.

**Disclaimer**

Product specifications and data shown in this product catalog are subject to change without notice for the purposes of improving product performance, reliability, design, or otherwise.

Product data and parameters in this catalog are typical values based on reasonably up-to-date measurements.

Product data and parameters may vary by user application and over time.

Products shown in this catalog are intended to be used for general electronic equipment. Products are not guaranteed for applications where product malfunction or failure may cause personal injury or death, including but not limited to life-supporting / saving devices, medical devices, safety devices, airplanes, aerospace equipment, automobiles, traffic control systems, and nuclear reactor control systems.