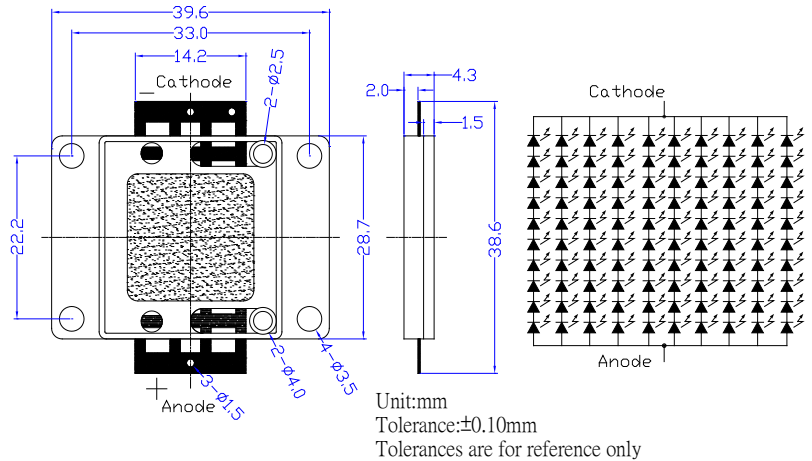


**■ Features**

- High-power LED
- Long lifetime operation
- Typical viewing angle : 140deg
- RoHS compliant
- Possible to attach to heat sink directly without using print circuit board.

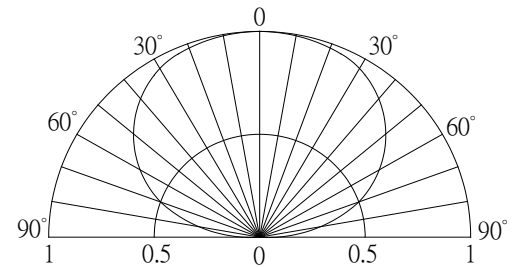
**■ Applications**

- Indoor & outdoor lighting
- Stage lighting
- Reading lamps
- Display cases, furniture illumination, marker
- Architectural illumination
- Spotlights

**■ Outline Dimension**

**■ Absolute Maximum Rating**

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current *1	I <sub>F</sub>	2,000	mA
Pulse Forward Current*2	I <sub>FP</sub>	2,500	mA
Reverse Voltage	V <sub>R</sub>	50	V
Power Dissipation*1	P <sub>D</sub>	76,000	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40~ +100	°C
Lead Soldering Temperature	T <sub>sol</sub>	260°C5sec	-

**■ Directivity**


\*1, Power dissipation and forward current are the value when the module temperature is set lower than the rating by using an adequate heat sink.

\*2, Pulse width Max.10ms Duty ratio max 1/10

**■ Electrical -Optical Characteristics**

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =1500mA	29	34	38	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =50V	-	-	100	μA
Luminous Flux	Φ <sub>v</sub>	I <sub>F</sub> =1500mA	3000	3500	-	lm
Color Temperature	CCT	I <sub>F</sub> =1500mA	-	6500	-	K
Chromaticity Coordinates*	x	I <sub>F</sub> =1500mA	-	0.31	-	
	y	I <sub>F</sub> =1500mA	-	0.34	-	
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =1500mA	-	140	-	deg

**Note: Don't drive at rated current more than 5s without heat sink for High Power series.**

\* Tolerance of chromaticity coordinates is ±10% , \* Tolerance of Luminous Flux is ±20%

InGaN LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

