



## Part No.:Hi-05A4YGE-166W2

### 19/04205-00

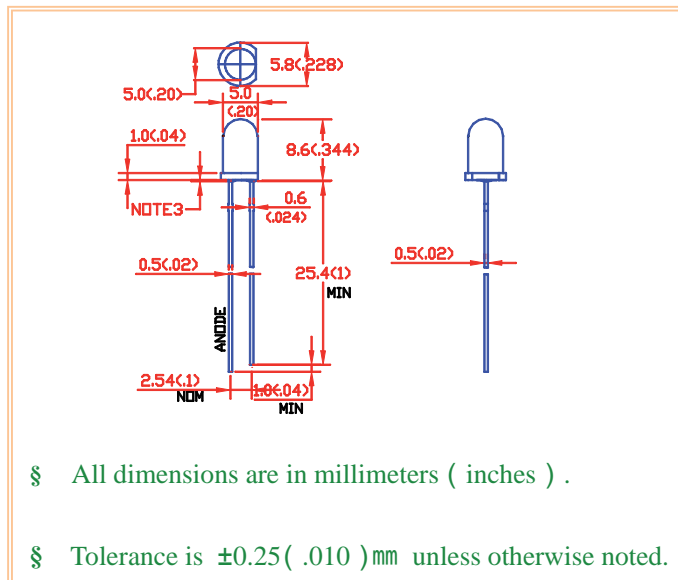
§ Standard 5mm diameter package.

### Characters

§ High intensity.

ITEM	MATERIALS	
Resin(Mold)	Epoxy	
Lens Color Code	C	Water Transparent
	T	Colored Transparent
	D	White Diffused
	E	Colored Diffused
Lead Frame	Ag Plating Iron Alloy	
Dice	InGaN	

## Outline Dimensions

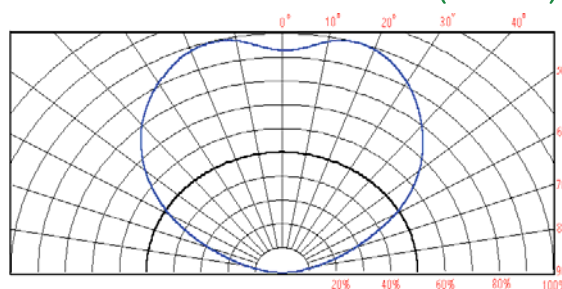


## Absolute Maximum Ratings ( $T_a=25^\circ\text{C}$ )

Item	Symbol	Value	Unit
Power Dissipation	PD	100	mW
DC Forward Current	IF	30	mA
Pulsed Forward Current	IFP	100*	mA
Reverse Voltage	VR	5	V
Operating Temperature	Topr	-25 ~ +80	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Soldering Temperature	Tsol	260for5sec <sup>▲</sup>	°C

\* Duty 1/10 Pulse Width 0.1ms ▲ At the position of 4mm from the bottom of the package

## Directive Characteristics ( $T_a=25^\circ\text{C}$ )



## Electrical-Optical Characteristics ( $T_a=25^\circ\text{C}$ )

Parameter	Symbol	Value			Unit	Test condition
		Min.	Typ.	Max.		
Forward Voltage	Vf	---	2.2	2.6	V	If=20mA
Luminous intensity	Iv	10	20	60	mcd	If=20mA
Wavelength	$\lambda$ ( $\lambda_d$ )	---	570	575	(nm)	If=20mA
	y	---	---	---	---	If=20mA
Reverse Current	Ir	---	---	5	$\mu\text{A}$	Vr=5V
Viewing angle	$2\theta_{1/2}$	---	120	---	Deg	If=20mA
Spectral half bandwidth	$\Delta\lambda$	---	25	---	nm	If=20mA