



## Part No. : Hi-05A2SBDAC-009B32F

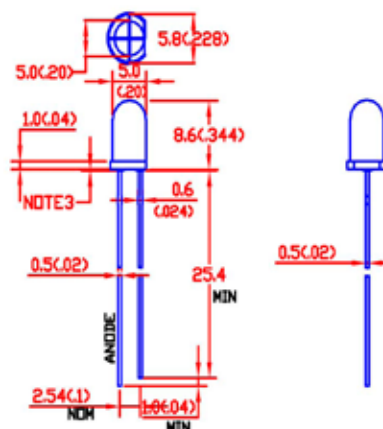
§ Standard 5mm diameter package.

### Characters

§ High intensity.

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

## Outline Dimensions



§ All dimensions are in millimeters ( inches ) .

§ Tolerance is  $\pm 0.25$  ( .010 ) mm unless otherwise noted.

§ Protruded resin under flange is 1.0 mm ( .04 ) max.

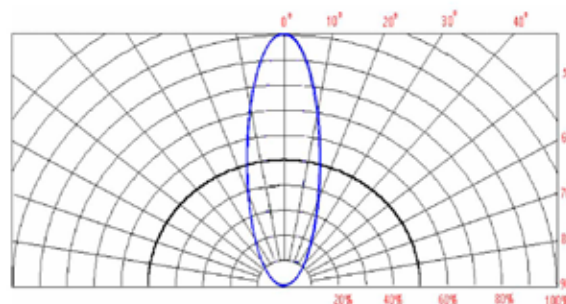
## Absolute Maximum Ratings ( Ta=25°C )

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△	°C

\* Duty 1/10 Pulse Width 0.1ms  
of the package

△ At the position of 4mm from the bottom

## Directive Characteristics ( Ta=25°C )



## Electrical-Optical Characteristics ( Ta=25°C )

Parameter	Symbol	Value			Unit	Test condition
		Min.	Typ.	Max.		
Forward Voltage	V <sub>f</sub>	3.0	---	3.4	V	I <sub>f</sub> =20mA
Luminous intensity	I <sub>v</sub>	2000	---	3500	mcd	I <sub>f</sub> =20mA
Wavelength	X(& λ d)	465	---	470	(nm)	I <sub>f</sub> =20mA
	y	---	---	---	---	I <sub>f</sub> =20mA
Reverse Current	I <sub>r</sub>	---	---	5	μA	V <sub>r</sub> =5V
Viewing angle	2 θ <sub>1/2</sub>	---	30	---	Deg	I <sub>f</sub> =20mA
Spectral half bandwidth	Δ λ	---	30	---	nm	I <sub>f</sub> =20mA