

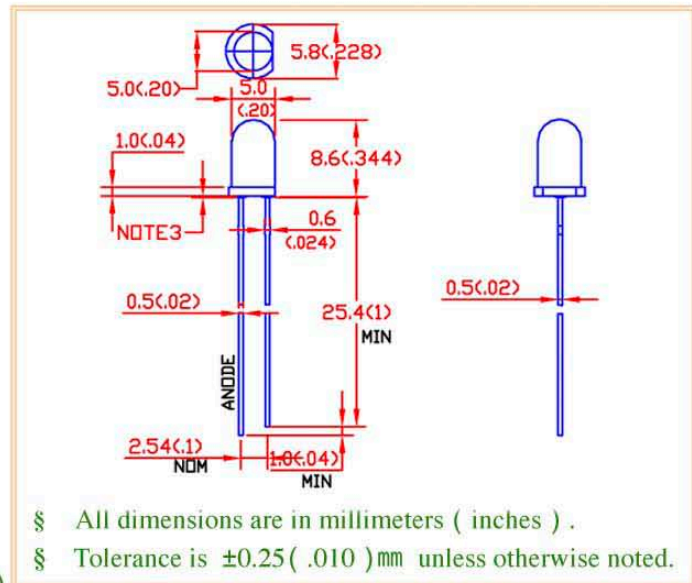
SUPERLIGHT
Part No.:HI-05A3IRDAC-192
19/06000-00

§ Standard 5mm diameter package.

Characters

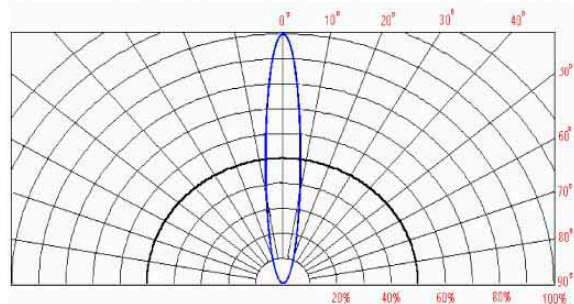
§ High intensity.

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	120	mW
DC Forward Current	IF	50	mA
Pulsed Forward Current	IFP	600*	mA
Reverse Voltage	VR	5	V
Operating Temperature	Topr	-25 ~ +80	$^\circ\text{C}$
Storage Temperature	Tstg	-40 ~ +100	$^\circ\text{C}$
Soldering Temperature	Tsol	260for5sec [△]	$^\circ\text{C}$

* 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	---	1 . 15	1 . 20	V	If=20mA
Luminous intensity	IE	...	12	---	mw	If=20mA
Wavelength	X(λd)	...	940	---	(nm)	If=20mA
	y	---	---	---	---	If=20mA
Reverse Current	Ir	---	---	5	μA	Vr=5V
Viewing angle	2θ1/2	---	15	---	Deg	If=20mA
Spectral half bandwidth	Δλ	---	25	---	nm	If=20mA