

**SUPERLIGHT**®

**Part No. : Hi-03A4DRT-154W2**

## Outline Dimensions

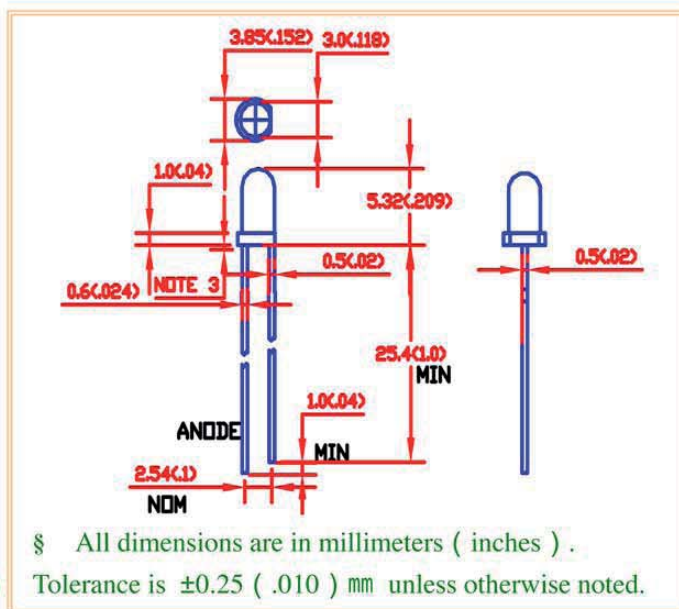
**19/04100-00**

§ Standard 3mm 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

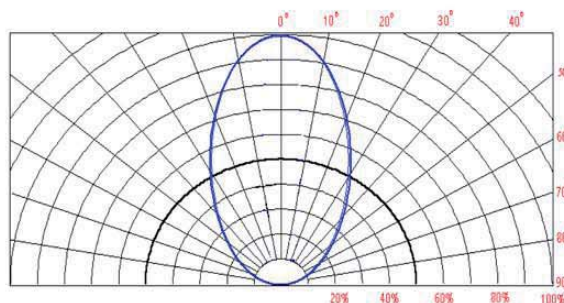


## Absolute Maximum Ratings ( $T_a=25^\circ\text{C}$ )

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>Δ</sup>	°C

\* Duty 1/10 Pulse Width 0.1ms    Δ 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 . 0	2 . 6	V	If=20mA
Luminous intensity	Iv	---	3	6	mcd	If=20mA
Wavelength	X(&lambda;d)	---	660	680	(nm)	If=20mA
	y	---	---	---	---	If=20mA
Reverse Current	Ir	---	---	5	μA	Vr=5V
Viewing angle	2θ1/2	---	60	---	Deg	If=20mA
Spectral half bandwidth	Δλ	---	25	---	nm	If=20mA