

## Outline Dimensions

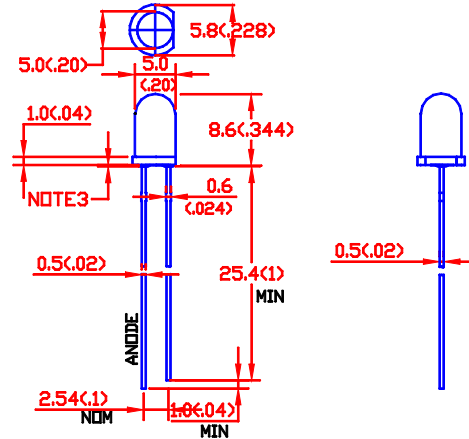
**Part No. : LA504W5CA-1A/01**

§ Standard 5mm diameter package.

### Characters

§ High intensity.

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



§ All dimensions are in millimeters ( inches ) .

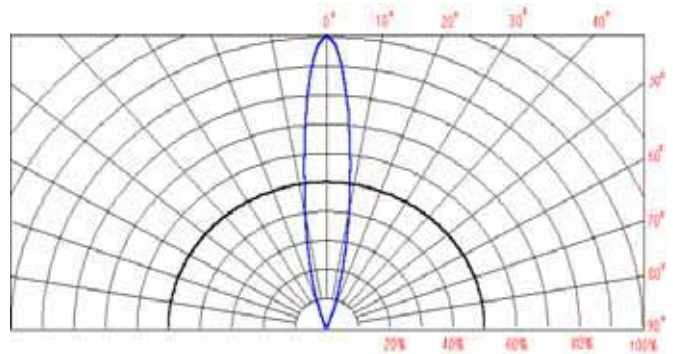
§ Tolerance is  $\pm 0.25$  ( .010 ) mm unless otherwise noted.

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

Item	Symbol	Value	Unit
Power Dissipation	PD	120	mW
DC Forward Current	IF	30	mA
Pulsed Forward Current	IFP	100*	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  $\Delta$  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	$V_f$	---	3.2	4.0	V	$I_f=20\text{mA}$
Luminous intensity	$I_v$	5700	7500	---	mcd	$I_f=20\text{mA}$
Wavelength	$x(\& \lambda d)$	---	0.422	---	(nm)	$I_f=20\text{mA}$
	y	---	0.388	---	---	$I_f=20\text{mA}$
Reverse Current	$I_r$	---	---	1	$\mu\text{A}$	$V_r=5\text{V}$
Viewing angle	$2\theta_{1/2}$	---	15	---	Deg	$I_f=20\text{mA}$
Spectral half bandwidth	$\Delta\lambda$	---	---	---	nm	$I_f=20\text{mA}$