

Outline Dimensions

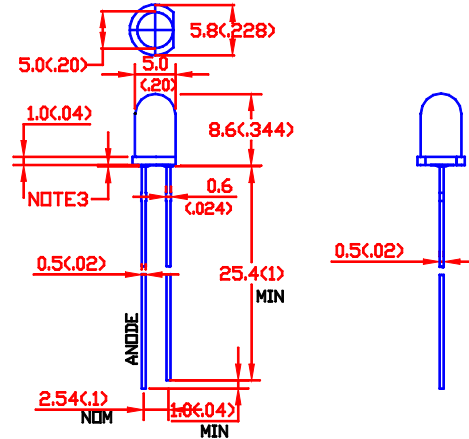
Part No. : LA504W5CA-1A/01

§ 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) .

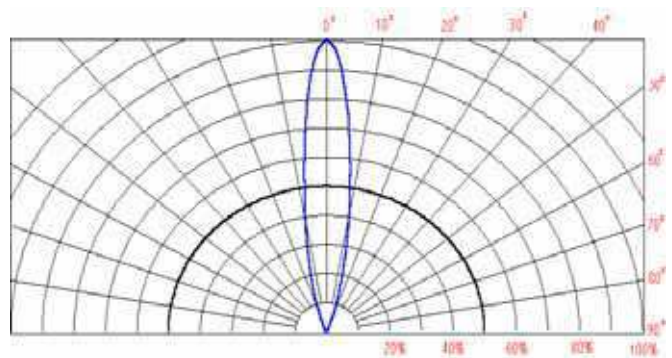
§ Tolerance is ± 0.25 (.010) mm unless otherwise noted.

Absolute Maximum Ratings (Ta=25°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	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Soldering Temperature	Tsol	260for5sec	°C

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

Directive Characteristics (Ta=25°C)



Electrical-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Value			Unit	Test condition
		Min.	Typ.	Max.		
Forward Voltage	V _f	---	3.2	4.0	V	I _f =20mA
Luminous intensity	I _v	5700	7500	---	mcd	I _f =20mA
Wavelength	x(& λ d)	---	0.422	---	(nm)	I _f =20mA
	y	---	0.388	---	---	I _f =20mA
Reverse Current	I _r	---	---	1	μ A	V _r =5V
Viewing angle	2 θ _{1/2}	---	15	---	Deg	I _f =20mA
Spectral half bandwidth	Δ λ	---	---	---	nm	I _f =20mA