



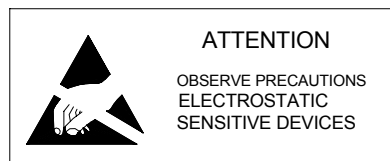
SPECIFICATION

Description:

15 Degree 5mm Round LITEFO Lamp
in Blue Color with Water Transparent
Lens and No Stopper

Dice Material: GaN

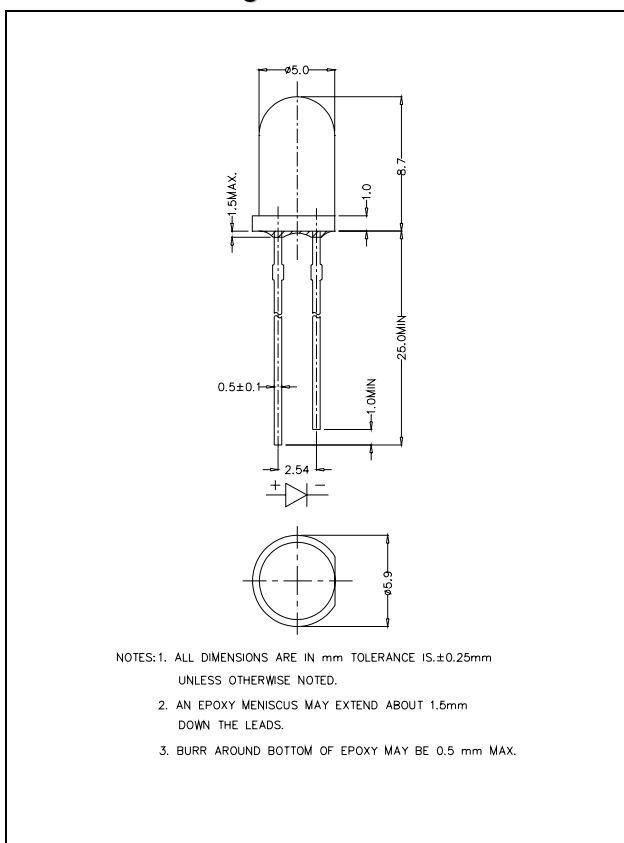
MODEL No : FC515ADBL21



Confirmed
by Customer: _____

Date: _____

Dimension Drawing



Applications

- Advertising Signs
- Indicators
- LCD Back Light
- Moving Message Sign

Absolute Maximum Ratings at Ta = 25°C

Items	Symbol	Absolute maximum Rating	Unit
Forward Current	I_F	25	mA
Peak Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	105	mW
Operation Temperature	T_{opr}	-40 ~ + 95	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	Max.260°C for 3 sec Max. (3mm from the base of the epoxy bulb)	

* pulse width ≤ 0.1msec duty ≤ 1/10

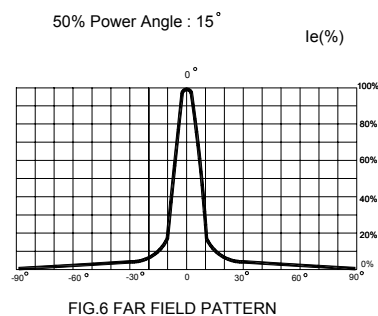
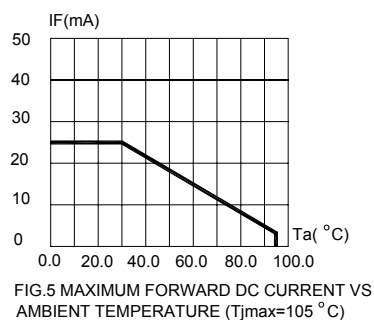
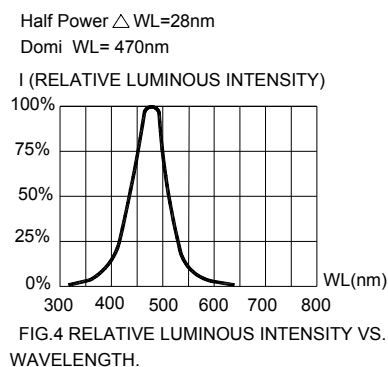
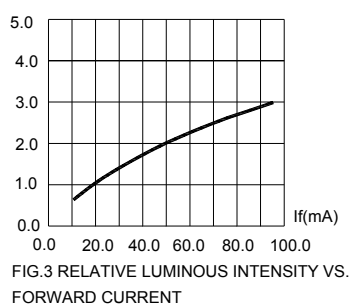
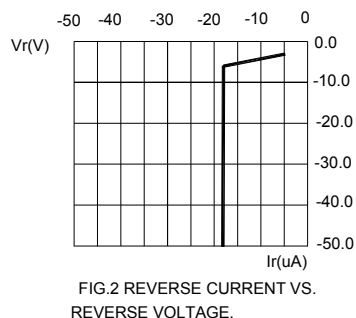
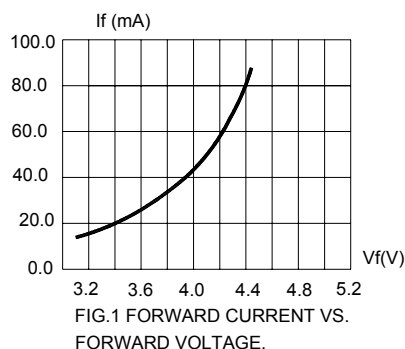
Typical Electrical & Optical Characteristics (Ta = 25°C)

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	---	3.4	4.2	V
Reverse Current	I_R	$V_R = 5\text{V}$	---	---	100	μA
Dominant Wavelength	λ_D	$I_F = 20\text{mA}$	---	470	---	nm
Luminous Intensity	I_V	$I_F = 20\text{mA}$	770	2400	---	mcd
50% Power Angle	20½ H-H	$I_F = 20\text{mA}$	---	15	---	deg

Important Notes:

- 1) All ranks will be included per delivery, rank ratio will be determined by LITEFO.
- 2) Pb content <1000PPM.
- 3) Tolerance of measurement of luminous intensity is ±15%.
- 4) Tolerance of measurement of dominant wavelength is ±1nm.
- 5) Tolerance of measurement of Vf is ±0.05 V.

Graphs



Items	Signatures	Date	Revision History	
Prepared by	Lois	2004/10/08	DOC. No.	CHANGE DESCRIPTION
Checked by	Jarvis	2004/10/08	02 08Oct04	Add Pb Free Sign; Change FIG.1&3&5
Approved by	D.W.Liu	2004/10/08		
ECN#	ECN-H20040274			

Data is subject to change without prior notice.

Obsoletes Doc: A 22Apr04.