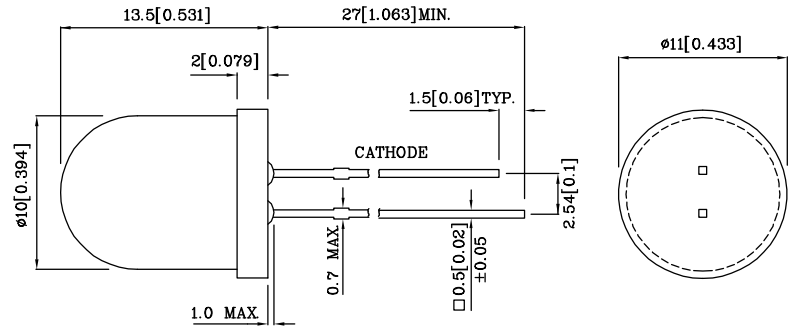


Features

- 10mm DIAMETER BIG LAMP.
- I.C. COMPATIBLE.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES



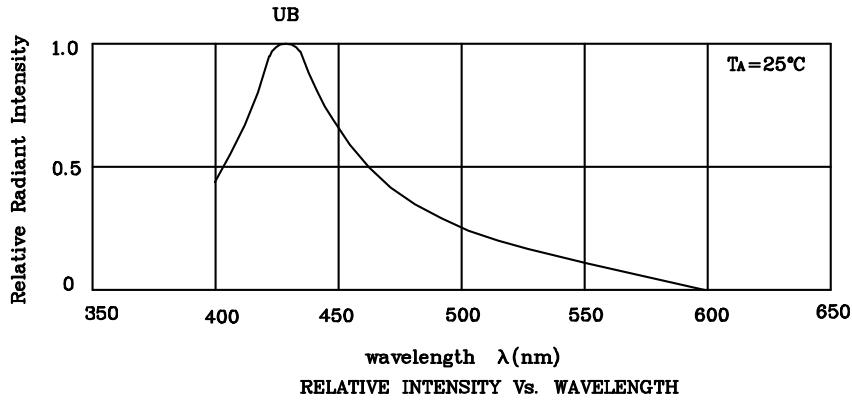
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.

Absolute maximum ratings (TA=25°C)		UB (GaN)	Unit
Reverse voltage	VR	5	V
Forward current	IF	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	iFS	150	mA
Power dissipation	PT	105	mW
Operating temperature	TA	-40 ~ +85	°C
Storage temperature	Tstg	-40 ~ +85	
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		UB (GaN)	Unit
Forward voltage (typ.) (IF=20mA)	VF	3.8	V
Forward voltage (max.) (IF=20mA)	VF	4.5	V
Reverse current (VR=5V)	IR	10	uA
Wavelength at peak emission (IF=20mA)	λ peak	430	nm
Wavelength at Dominate emission (IF=20mA)	λ D	466	nm
Spectral Line half-width (IF=20mA)	$\Delta\lambda$	60	nm
Capacitance (VF=0V, f=1MHz)	C	100	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd		Wavelength nm λ P	Viewing Angle 2θ 1/2
				min.	typ.		
LUB01D	Blue	GaN	Blue Diffused	7	24	430	60°
Published Date : JUN 16,2004 Drawing No : SDSA4000 V1 Checked : B.L.LIU P.1/2							



❖ UB

