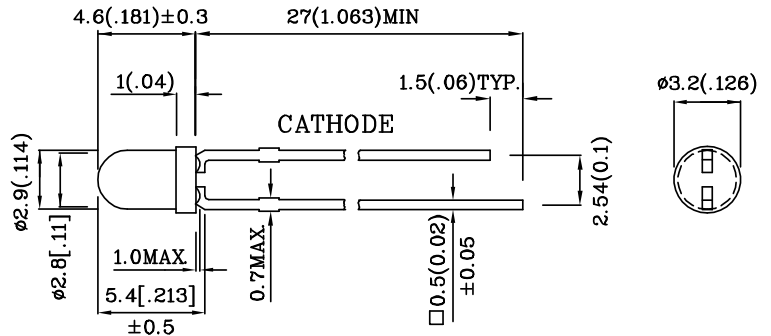


Features

- LOW POWER CONSUMPTION.
- SOLID STATE BLUE LIGHT SOURCE.
- SUITABLE FOR FULL COLOR LED DISPLAYS AND INDICATORS DIAGNOSTIC/ANALYTICAL EQUIPMENT.



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES



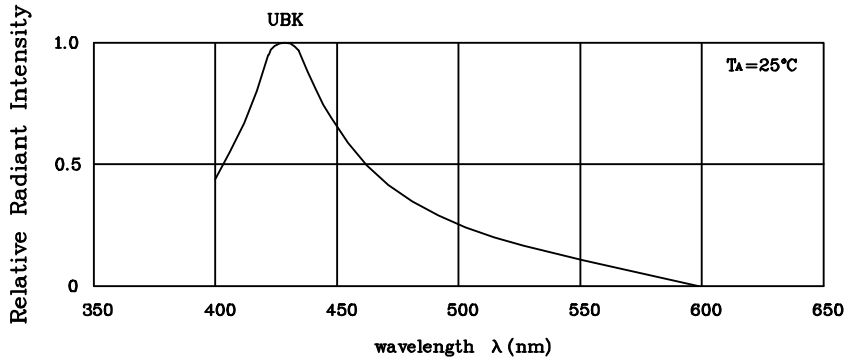
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25(0.01") unless otherwise noted.

Absolute maximum ratings (TA=25°C)		UBK (GaN)	Unit
Reverse voltage	V _R	5	V
Forward current	I _F	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i _{FS}	150	mA
Power dissipation	P _T	105	mW
Operating temperature	T _A	-40 ~ +85	°C
Storage temperature	T _{stg}	-40 ~ +85	
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		UBK (GaN)	Unit
Forward voltage (typ.) (I _F =20mA)	V _F	4.0	V
Forward voltage (max.) (I _F =20mA)	V _F	5.2	V
Reverse current (V _R =5V)	I _R	10	uA
Wavelength at peak emission (I _F =20mA)	λ peak	430	nm
Wavelength at Dominate emission (I _F =20mA)	λ D	466	nm
Spectral Line half- width (I _F =20mA)	Δλ	60	nm
Capacitance (V _F =0V, f=1MHz)	C	100	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I _F =20mA) med		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XLUBK11D	Blue	GaN	Blue Diffused	7	23	430	30°
Published Date : AUG 25,2003 Drawing No : XDSA2048 V2 Checked : B.L.LIU P.1/2							



RELATIVE INTENSITY Vs. WAVELENGTH

❖ **UBK**

