

Through Hole Lamp Product Data Sheet LTL2H3KRK

> Spec No.: DS-20-98-0064 Effective Date: 07/06/2000 Revision: -



BNS-OD-FC001/A4

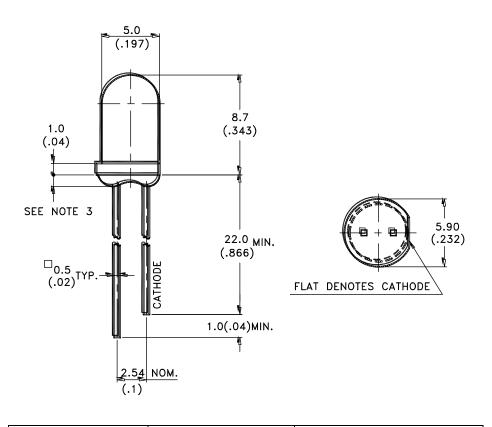
LITE-ON Technology Corp. / Optoelectronics No.90,Chien 1 Road, Chung Ho, New Taipei City 23585, Taiwan, R.O.C. Tel: 886-2-2222-6181 Fax: 886-2-2221-1948 / 886-2-2221-0660 http://www.liteon.com/opto

Property of Lite-On Only

Features

- * High luminous intensity output.
- * Low power consumption.
- * High efficiency.
- * Versatile mounting on P.C. board or panel.
- * I.C. Compatible/low current requirements.
- * Popular T-13/4 diameter.

Package Dimensions



Part No.	Lens	Source Color		
LTL2H3KRK	Water Clear	AlInGaP Super Red		

Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ± 0.25 mm(.010") unless otherwise noted.
- 3. Protruded resin under flange is 1.0mm(.04") max.
- 4. Lead spacing is measured where the leads emerge from the package.
- 5. Specifications are subject to change without notice.

Part No.: LTL2H3KRK

4 Page : 1 of



Property of Lite-On Only

Parameter	Maximum Rating	Unit		
Power Dissipation	75	mW		
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	90	mA		
Continuous Forward Current	30	mA		
Derating Linear From 50°C	0.4	mA/°C		
Reverse Voltage	5	V		
Operating Temperature Range	-40° C to $+ 100^{\circ}$ C			
Storage Temperature Range	-55° C to $+ 100^{\circ}$ C			
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds			

Part No. : LTL2H3KRK



Property of Lite-On Only

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity	Iv	560	1300		mcd	I _F = 20mA Note 1
Viewing Angle	2 heta 1/2		15		deg	Note 2 (Fig.5)
Peak Emission Wavelength	λр		639		nm	Measurement @Peak (Fig.1)
Dominant Wavelength	λ d		631		nm	Note 4
Spectral Line Half-Width	Δλ		20		nm	
Forward Voltage	VF		2.0	2.4	V	$I_F = 20 mA$
Reverse Current	Ir			100	μA	$V_R = 5V$
Capacitance	С		40		pF	$V_F = 0$, $f = 1MHz$

NOTE: 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.

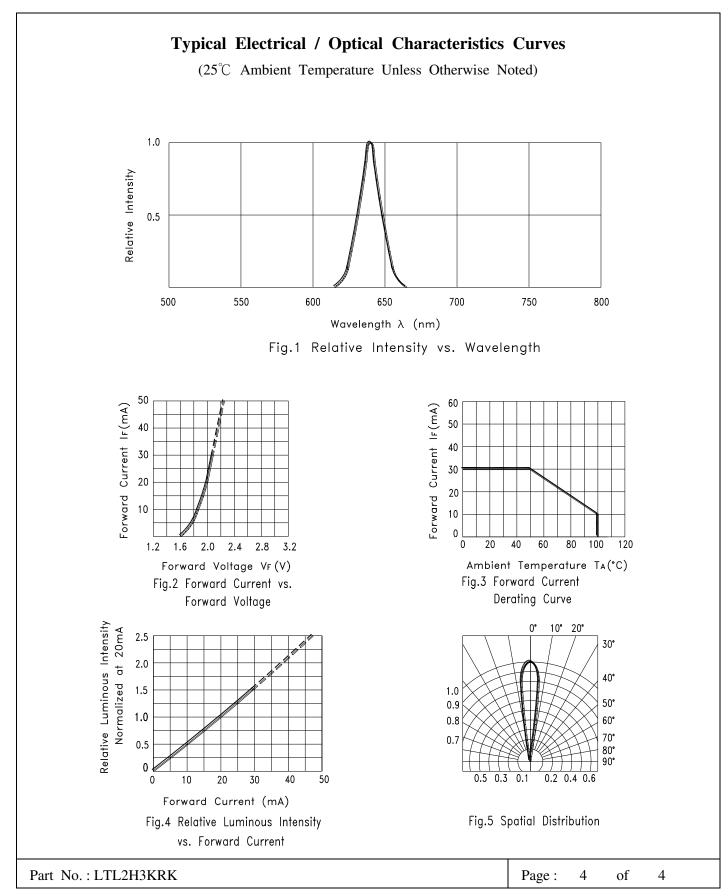
- 2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3. Iv classification code is marked on each packing bag.

4. The dominant wavelength, λ d is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

4



Property of Lite-On Only



BNS-OD-C131/A4