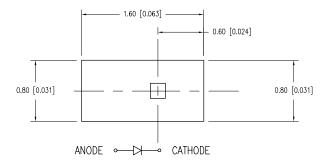
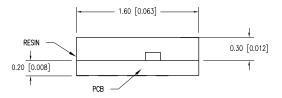
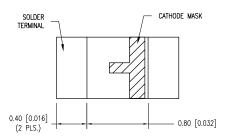
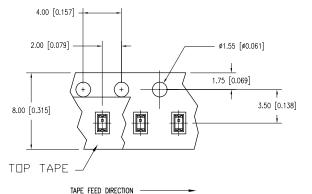
REV.

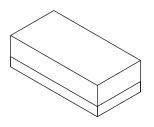


UNCONTROLLED DOCUMENT

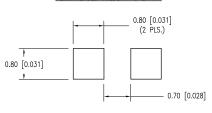








## RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C If = 5mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		2.9	3.15	۷ <sub>f</sub>	
REVERSE VOLTAGE	5.0			٧r	$I_r = 100 \mu A$
AXIAL INTENSITY	11.25		28.5	mcd	$I_f = 5mA$
VIEWING ANGLE		60		2x theta	•
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	MILKY WHITE				

## LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS mA	
PEAK FORWARD CURRENT*	100		
STEADY CURRENT	30	mA	
POWER DISSIPATION	98	mW	
DERATE FROM 25°C	- 1.2	m <b>W/</b> *C	
OPERATING TEMP.	-25 TO +85	•ċ	
STORAGE TEMP.	-30 TO +85	•C	

<sup>\*</sup> t<10µS

## NOTES:

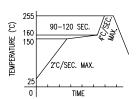
THE CATHODE IS ORIENTED
 TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2 STANDARDS

## LEAD FREE REFLOW PROFILE

10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION UNCONTROLLED DOCUMENT



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WEB: WWW.LUMEX.COM

1.6mm X 0.8mm PCB CHIP, SURFACE MOUNT LED, 470nm ULTRA SUPER BLUE LED, WATER CLEAR LENS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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