

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

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$				
PARAMETER	MIN	TYP	MAX	UNITS
FORWARD VOLTAGE	2.95		3.55	V_f
REVERSE VOLTAGE	5.0			V_r
AXIAL INTENSITY	1200		2200	mcd
VIEWING ANGLE		120		$2\times$ theta
EMITTED COLOR:	WHITE			
EPOXY LENS FINISH:	WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	-	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-30 TO +100	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +100	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

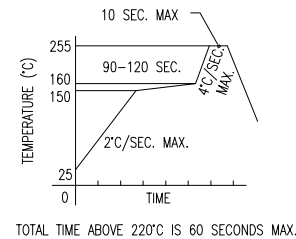
* $t < 10\text{uS}$

BIN RANGE OF LUMINOUS INTENSITY

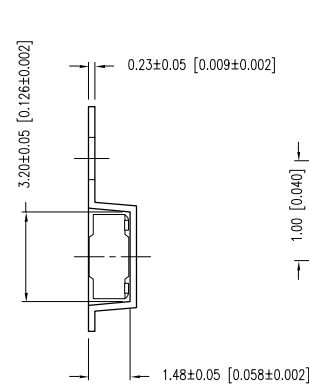
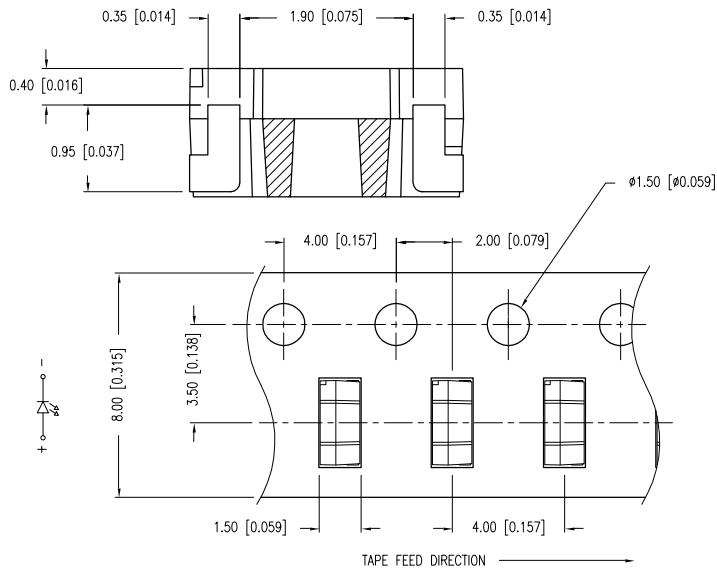
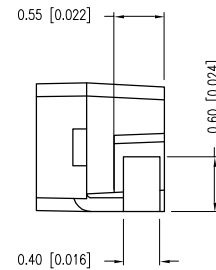
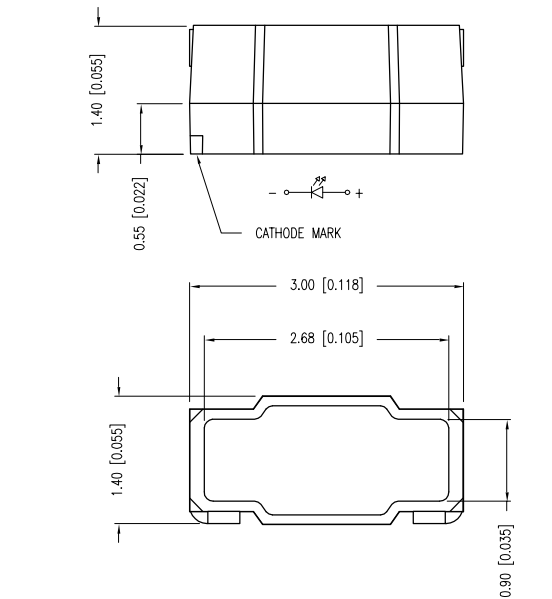
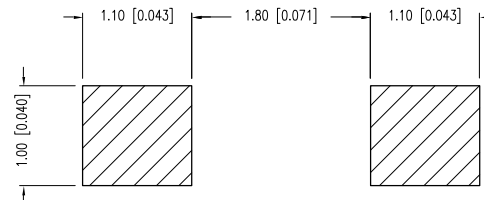
BIN CODE	MIN	MAX	UNIT	CONDITION
A	1200-1350	1250-1400	mcd	$I_f=20\text{mA}$
B	1400-1550	1450-1600		
C	1600-1750	1650-1800		
D	1800-1950	1850-2000		
E	2000-2150	2050-2200		

NOTE: TOLERANCE OF LUMINOUS INTENSITY: $\pm 11\%$

LEAD FREE REFLOW PROFILE



RECOMMENDED SOLDER PAD LAYOUT



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $\frac{+DECIMAL PRECISION}{-0.00}$ MAX= $\frac{+0.00}{-DECIMAL PRECISION}$



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

1.4 mm x 3.00mm RIGHT ANGLE SURFACE MOUNT LED, WHITE, WATER CLEAR RESIN, 2K PER REEL.

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

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	11.02.10	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	YA
SCALE:		APRVD BY:	KF
UNIT:	mm [INCH]		(P)

UNCONTROLLED DOCUMENT