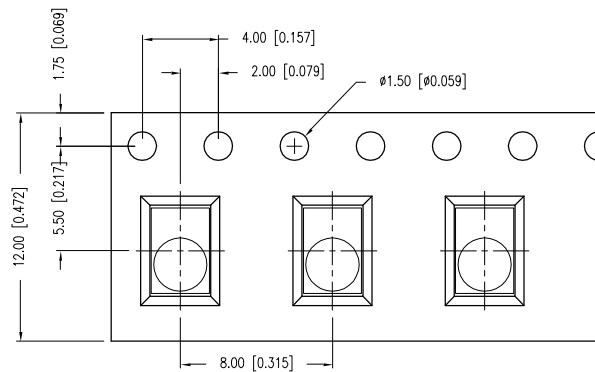
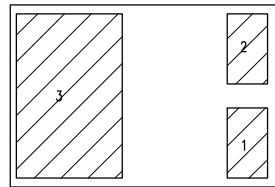
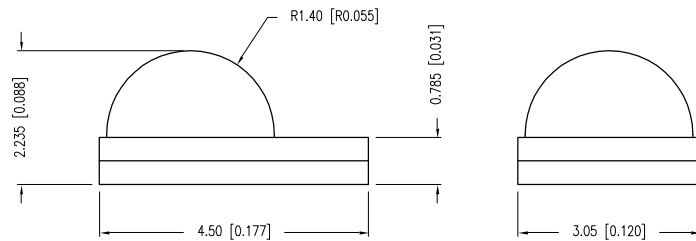
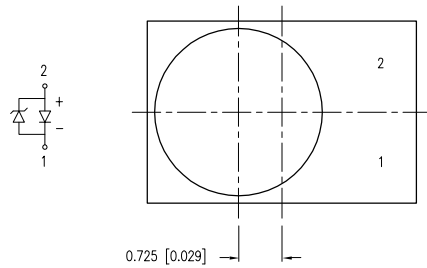
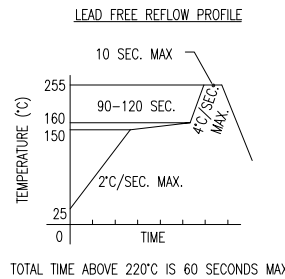




CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=350\text{mA}$

PARAMETER	SYMBOL	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH			625		nm	
FORWARD VOLTAGE	V_f	1.75		2.95	V_f	
REVERSE VOLTAGE	V_r	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (*1)	I_v	52			lm	$I_f=350\text{mA}$
VIEWING ANGLE			60		2x theta	
EMITTED COLOR:			RED			
EPOXY LENS FINISH:			WATER CLEAR LENS			

LIMITS OF SAFE OPERATION AT 25°C

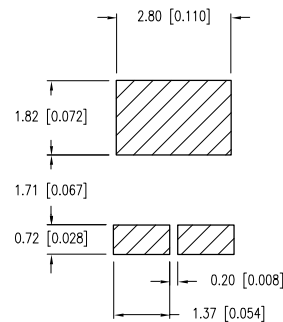
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	350	mA
POWER DISSIPATION	2.0	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +100	°C
STORAGE TEMP.	-40 TO +100	°C

* $t < 10\mu\text{s}$

THERMAL PARAMETERS

PARAMETER	VALUE	UNITS
MAXIMUM JUNCTION TEMPERATURE	125	°C
THERMAL RESISTANCE JUNCTION-CASE	10	°C/W

RECOMMENDED SOLDER PAD LAYOUT



CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 1 STANDARDS

*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 MAX.= +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

1W RED LED, 52 LUMENS.

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: 12-14-10	DRAWN BY: AB
PAGE: 1 OF 1	CHKD BY: KF
SCALE:	APRVD BY: BC
UNIT: mm [INCH]	(P)

UNCONTROLLED DOCUMENT