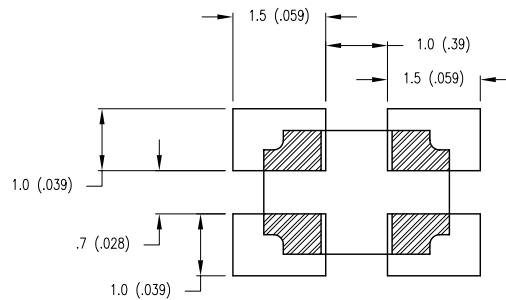
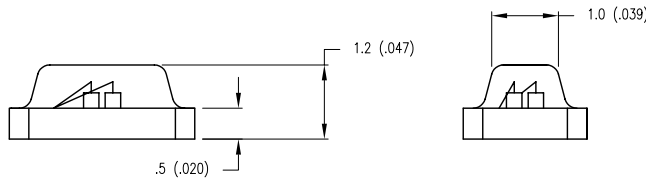
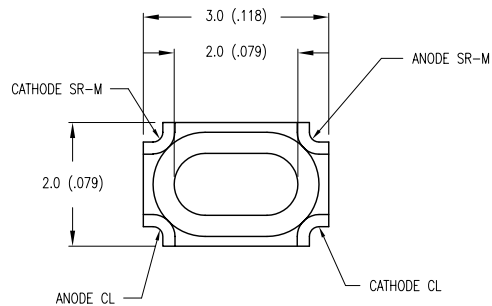


PART NUMBER	CCL-LX46SR-M/CL	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.17.97	E.C.N. #10BRDR.		A
12.04.06	E.C.N. #11148.		B
12.21.11	E.C.N. #10BRDR.		C



SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	CL			SR-M		
	MIN	TYP	MAX	MIN	TYP	MAX
PEAK EMISSION WAVELENGTH	880			655	658	661 nm
FORWARD VOLTAGE		1.3	1.5		1.8	2.2 V
REVERSE VOLTAGE	5.0			5.0		V
LUMINOUS INTENSITY				18.0	28.0	mcd
SPECTRAL HALFBAND	15	30		20	100	uA
REVERSE LEAKAGE			100			mW
RADIATED POWER	1.0	1.3				

MAXIMUM RATING AT 25°C

PARAMETER	MIN	UNITS
PEAK FORWARD CURRENT	800mA	$I_{FSM}(10\mu\text{s})$
CONT. FORWARD CURRENT	75mA	I_F
POWER DISSIPATION	150mW	P_{tot}
DERATE LINEAR	2.6	mW/ $^\circ\text{C}$
STORAGE TEMP.	-25 TO +120 $^\circ\text{C}$	T_{st}
OPERATING TEMP.	-25 TO +80 $^\circ\text{C}$	T_{op}
LEAD SOLDERING TEMP.	+250 $^\circ\text{C}$	10 sec
LIGHT EMISSION ANGLE	160 $^\circ$	

*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= $\begin{smallmatrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{smallmatrix}$ MAX.= $\begin{smallmatrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{smallmatrix}$

UNCONTROLLED DOCUMENT



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

CERAMIC CHIP,SURFACE MOUNT LED, MEDICAL RED/ IR EMITTER.

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

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DATE:	12.21.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	SS
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		(Pb)