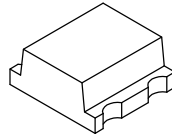
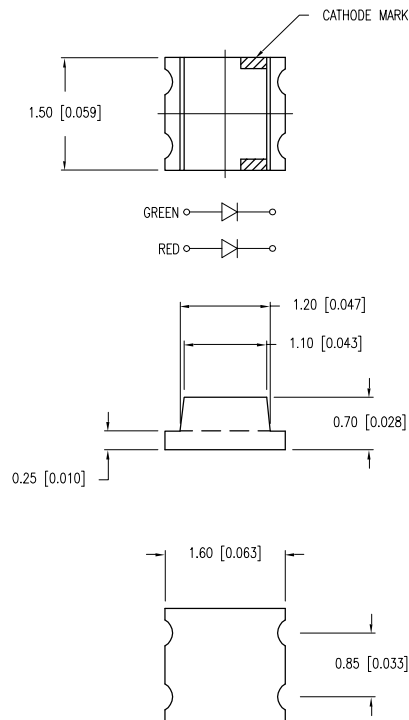


PART NUMBER	SML-LX06061GC-TR	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.14.03	E.C.N. #10967.		A
05.25.07	E.C.N. #11148.		B
05.27.08	E.C.N. #11508..		C
12.21.09	E.C.N. #11581.		D



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	COLOR	MIN	TYP	MAX	UNITS TEST COND
PEAK WAVELENGTH			635		nm
			565		nm
FORWARD VOLTAGE	(R/G)		2.0/2.2	2.5/2.6	V_f
REVERSE VOLTAGE		5.0			V_r $I_r=100\mu\text{A}$
AXIAL INTENSITY			10		mcd $I_f=20\text{mA}$
VIEWING ANGLE			120		2x theta
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

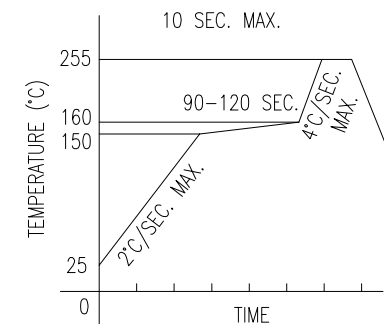
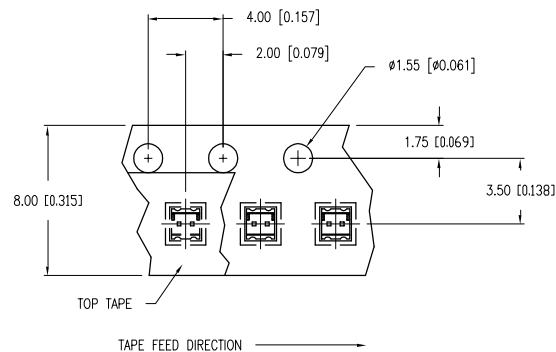
* $t < 10\mu\text{s}$

NOTES:

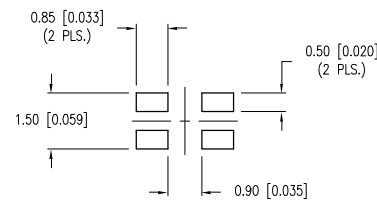
- THE CATHODE MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS

LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



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



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1.6mm x 1.5mm ULTRA THIN SML, 635nm/565nm BICOLOR LED, WATER CLEAR LENS, TAPE AND REEL.

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

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DATE: 01.11.01	DRAWN BY: JN
PAGE: 1 OF 1	CHKD BY: KF
SCALE: N/A	APRVD BY: JD
UNIT: mm [INCH]	(R) (B)