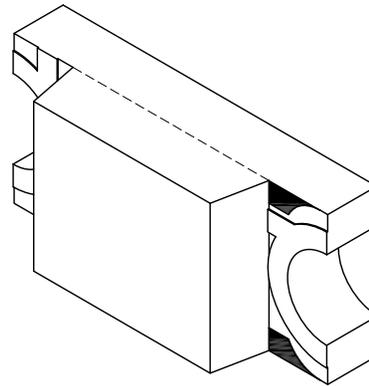
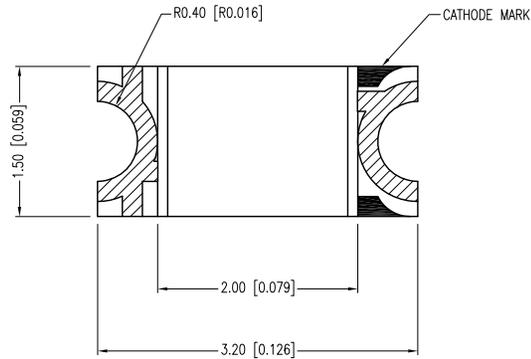


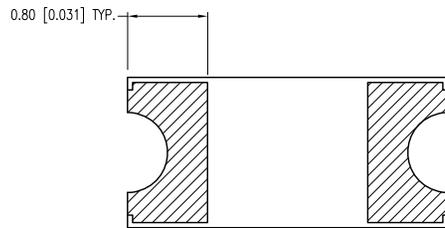
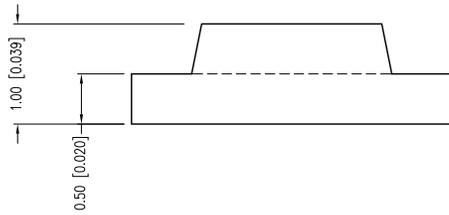
PART NUMBER	SML-LX1206SIC-TR	REV.	H
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
12.03.01	E.C.N. #10BRDR. & REDRAWN.		A
03.14.03	E.C.N. #10967.		BC
03.09.09	E.C.N. #11148.		D
01.07.08	E.C.N. #11644.		E
07.19.10	E.C.N. #11644.		F
04.20.11	E.C.N. #10BRDR. & REDRAWN.		G
08.07.12	E.C.N. #11829.		H



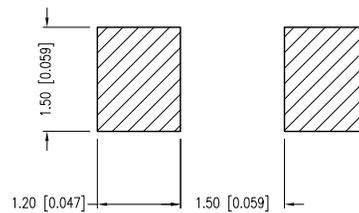
[H] ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^{\circ}\text{C}$   $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		632		nm	
FORWARD VOLTAGE		2.0	2.4	Vf	
REVERSE VOLTAGE	5.0			Vr	$I_f=100\mu\text{A}$
AXIAL INTENSITY		54		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		130		2x theta	
EMITTED COLOR:	RED				
LENS FINISH:	WATER CLEAR				

ANODE CATHODE



RECOMMENDED SOLDER PAD LAYOUT



LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	60	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	60	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +90	°C

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

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 2 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.= <sup>+0.00</sup>DECIMAL PRECISION MAX.= <sup>-0.00</sup>DECIMAL PRECISION

**LUMEX**  
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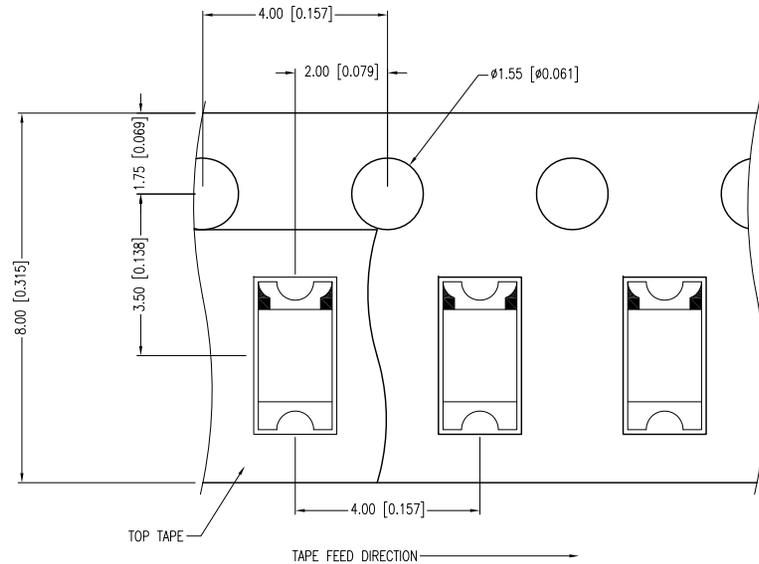
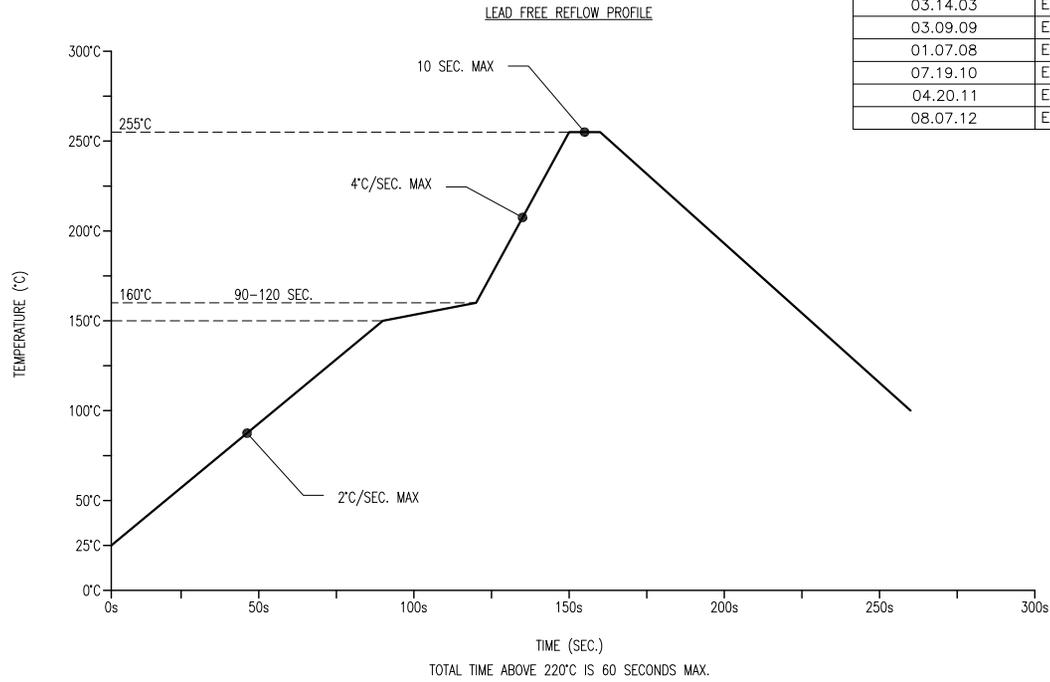
QUASARBRITE 3.2mm x 1.6mm PCB SURFACE MOUNT LED, 632nm RED, WATER CLEAR, TAPE & REEL.

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

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DATE:	04.20.11	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		

PART NUMBER	SML-LX1206SIC-TR	REV.	H
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08.07.12	E.C.N. #11829.		H



NOTES:  
1. THE CATHODE MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

\*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.= <sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION MAX.= <sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION



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QUASARBRITE 3.2mm x 1.6mm PCB SURFACE MOUNT LED, 632nm RED, WATER CLEAR, TAPE & REEL.

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PAGE:	2 OF 2	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		(P6)

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