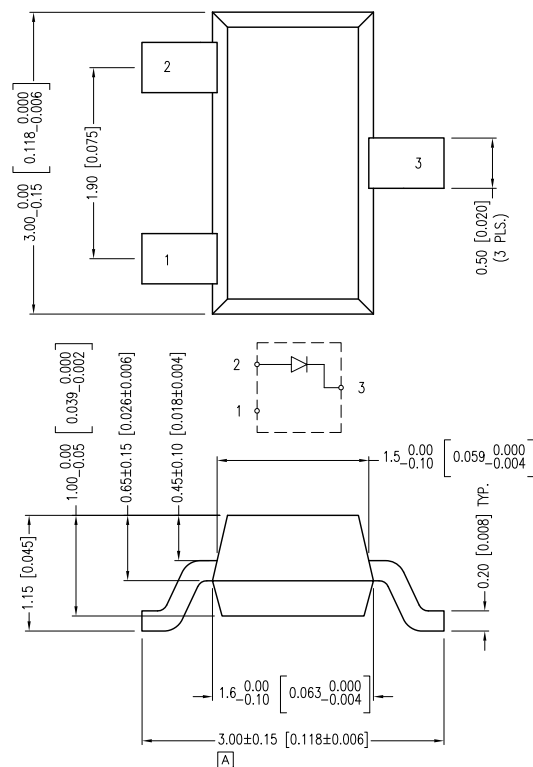
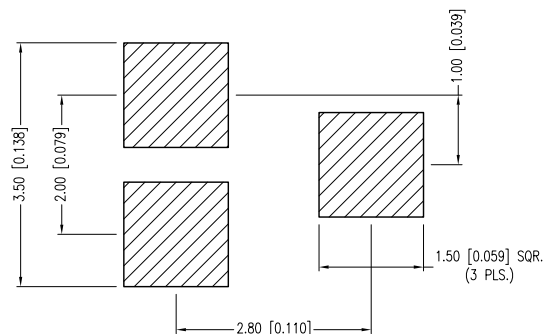


RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	SSL-LX15AC-TR	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
04.28.98	E.C.N. #10BRDR. & #10412.		A
05.25.01	E.C.N. #10752.		B
06.10.02	E.C.N. #10877.		C
08.22.02	E.C.N. #10901.		D
02.16.05	E.C.N. #11148.		E
07.23.12	E.C.N. #10BRDR. & REDRAWN.		F

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		610		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	$I_r=100\mu\text{A}$
REVERSE VOLTAGE	5.0			Vr	$I_f=20\text{mA}$
AXIAL INTENSITY		10		mcd	
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	AMBER				
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

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

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

*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



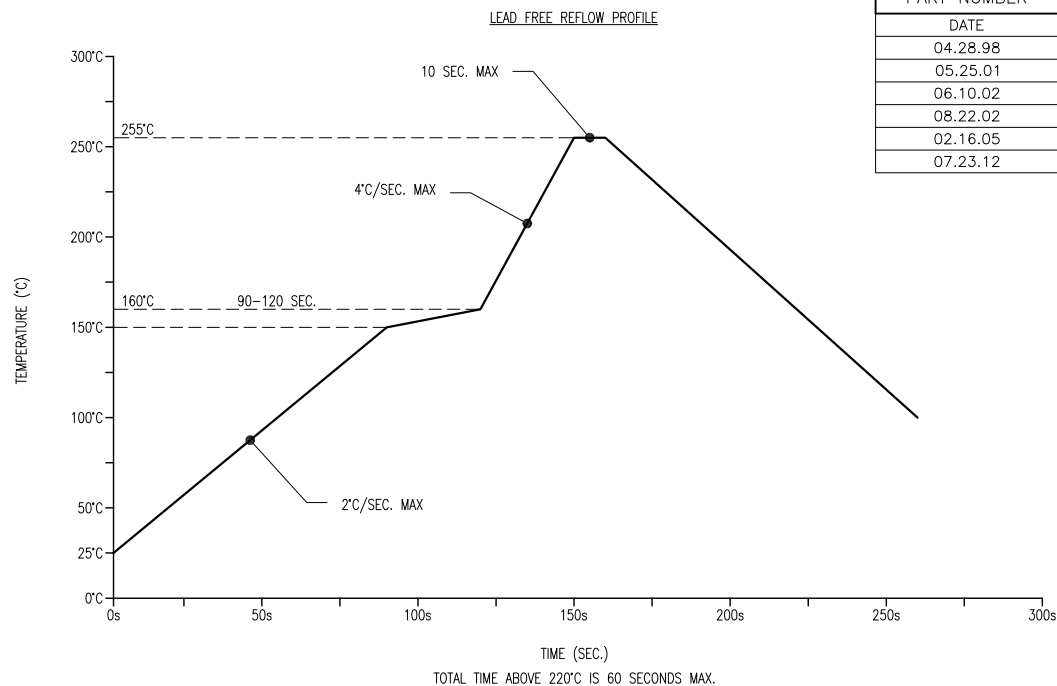
290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM
MEMBER OF ITW PHOTONICS GROUP

SOT-23 SURFACE MOUNT 610nm AMBER LED, WATER CLEAR LENS, TAPE AND REEL.

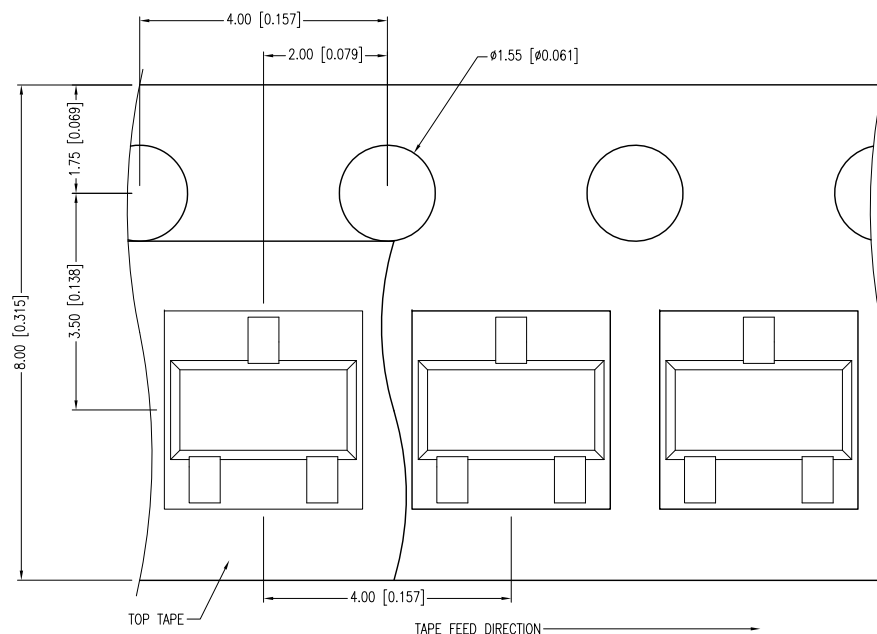
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DATE:	07.23.12	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	SS
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓢ



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07.23.12	E.C.N. #10BRDR. & REDRAWN.		F



D C B NOTES:

1. 3,000 PIECES PER REEL.
2. PIN 3 IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
3. LABEL MUST BE PERMANENTLY ATTACHED TO EACH REEL.

*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} _{-0.00} MAX.= ^{+0.00} _{-DECIMAL PRECISION}

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SOT-23 SURFACE MOUNT 610nm AMBER LED, WATER CLEAR LENS, TAPE AND REEL.

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