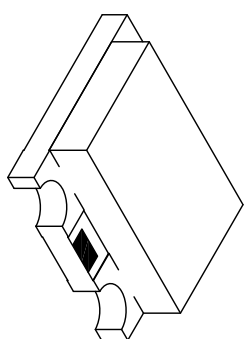
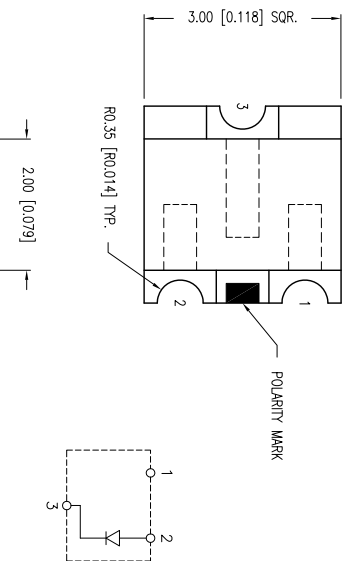


PART NUMBER	SML-LX15SYC-TR	REV.	E
DATE	E.C.N. #10967.	REV.	A
03.14.03	E.C.N. #11010.	REV.	B
07.03.03	E.C.N. #11148.	REV.	C
11.30.05	E.C.N. #11361.	REV.	D
11.28.06	E.C.N. #11501.	REV.	E
05.22.08			



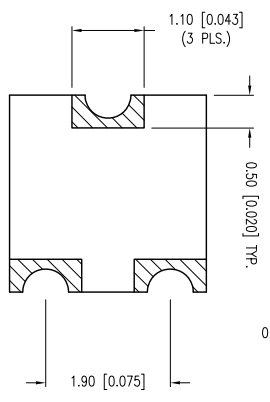
ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.1	2.5	V _f	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			V _r	$I_f=20\text{mA}$
AXIAL INTENSITY		60		md	
VIEWING ANGLE		140		2θ theta	
EMITTED COLOR:		YELLOW			
LENS FINISH:		WATER CLEAR			

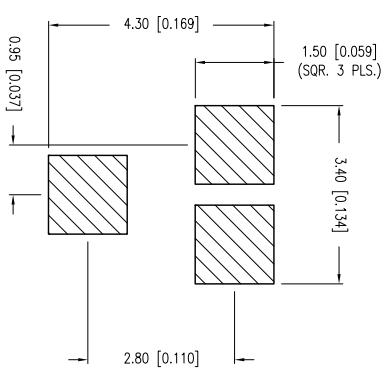
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

* I<10µs



RECOMMENDED SOLDER PAD LAYOUT



CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 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.= -0.00 (DECIMAL PRECISION), MAX.= +0.00 (DECIMAL PRECISION)

UNCONTROLLED DOCUMENT

LUMEX
Crediting LED and LCD Solutions Together™

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

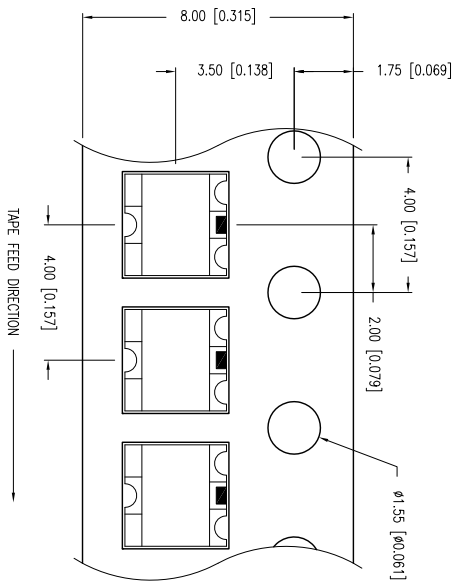
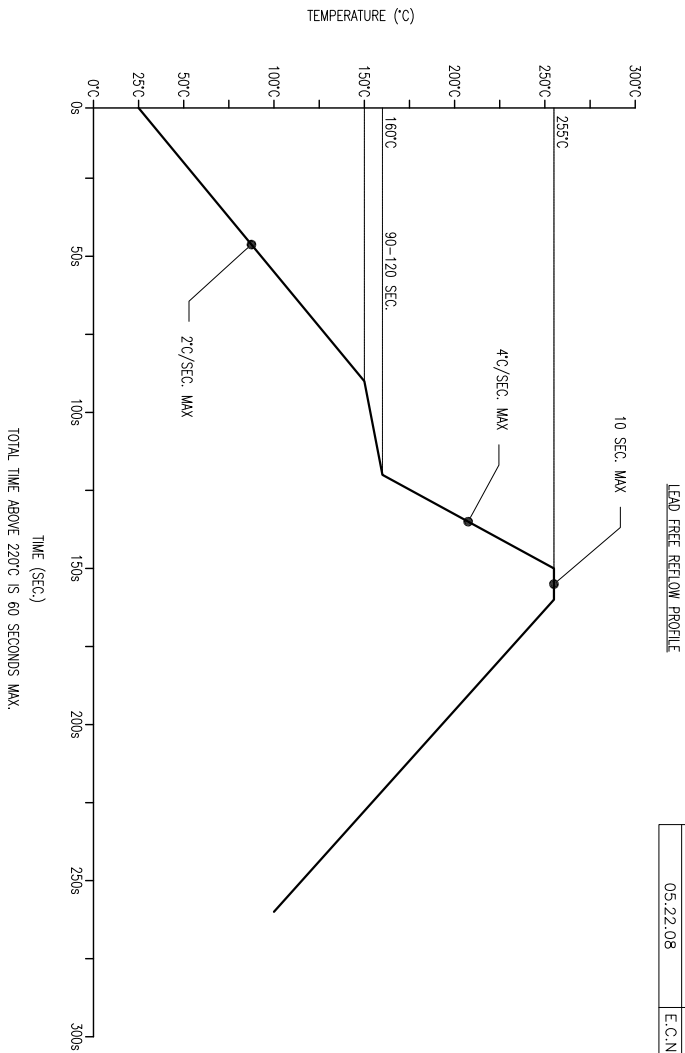
SOT-23 REPLACEMENT, SURFACE MOUNT LED, 590nm SUPER YELLOW LED, WATER CLEAR LENS, TAPE AND REEL.

***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:	07.10.12	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	DT
UNIT:	mm [INCH]		

PART NUMBER		SML-LX15SYC-TR		REV.	E
DATE	03.14.03	E.C.N. #	10967.	REV.	A
	07.03.03	E.C.N. #	11010.		B
	11.30.05	E.C.N. #	11148.		C
	11.28.06	E.C.N. #	11361.		D
	05.22.08	E.C.N. #	11501.		E



- NOTES:
1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAP SPROCKET HOLE.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.029), 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.= -0.00, DECIMAL PRECISION MAX.= +0.00, DECIMAL PRECISION

UNCONTROLLED DOCUMENT

LUMEX
 Creating LED and LCD Solutions Together™

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

SOT-23 REPLACEMENT, SURFACE MOUNT LED, 590nm SUPER YELLOW LED, WATER CLEAR LENS, TAPE AND REEL.

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.

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

DATE:	07.10.12	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	DT
UNIT:	mm [INCH]		