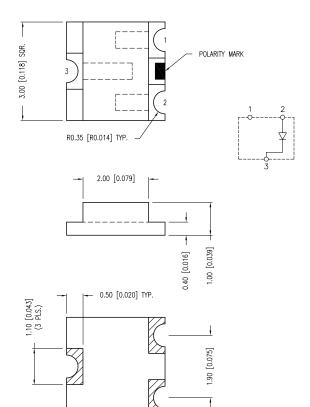
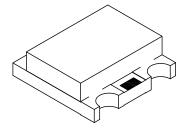
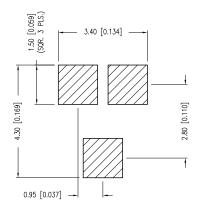
UNCONTROLLED DOCUMENT





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=  $^{+0.00}_{-0.00}$  PRECISION MAX.=  $^{+0.00}_{-0.00}$  PRECISION  $^{-0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  PRECISION  $^{-0.00}_{-0.00}$  PRECISION  $^{-0.00}_{-0$ 

PART NUMBER	SML-LX15SYC-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.14.03	E.C.N. #10967.		Α
07.03.03	E.C.N. #11010.		В
11.30.05	E.C.N. #11148.		С
11.28.06	E.C.N. #11361.		D
05.22.08	E.C.N. #11501.		E

ELECTRO-OPTICAL	CHARACTERISTICS Ta=	25°C If=20mA			
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.1	2.5	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY		60		mcd	If=20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	YELLOW				
LENS FINISH:	WATER CLEAR				

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

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS

Creating LED and LCD Solutions Together™

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 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.\*\*

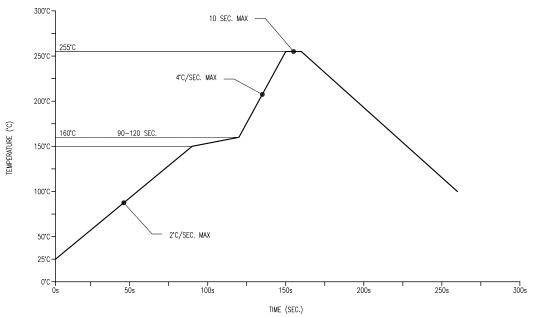
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UNCONTROLLED DOCUMENT DATE: 07.10.12 DRAWN BY: AΒ PAGE: 1 OF 1 CHKD BY: DT SCALE: NTS APRVD BY: DT (Pg) UNIT: mm [INCH]

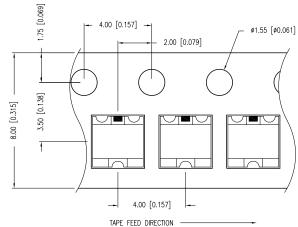
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05.22.08	F.C.N. #11501		F

## LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



## NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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NTS APRVD BY: DT (Pg) UNIT: mm [INCH]

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