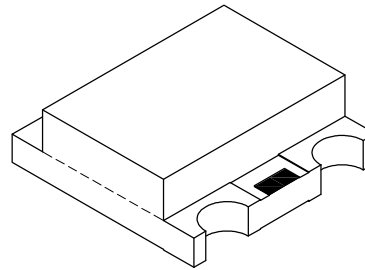
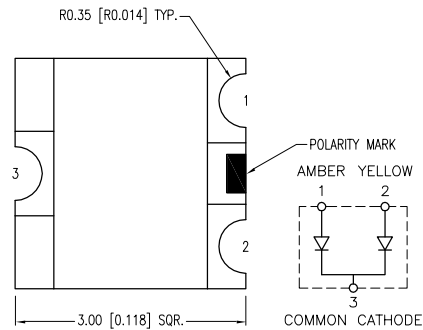


PART NUMBER	SML-LX15AYC-RP-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.14.03	E.C.N. #10967.		A
07.03.03	E.C.N. #11010.		B
11.30.05	E.C.N. #11148.		C
11.28.06	E.C.N. #11361.		D
05.20.08	E.C.N. #11501.		E

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		605 (AMBER)		nm	
		585 (YELLOW)		nm	
FORWARD VOLTAGE (A/Y)		2.0/2.1	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		140		2x theta	
EMITTED COLOR:	AMBER/YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

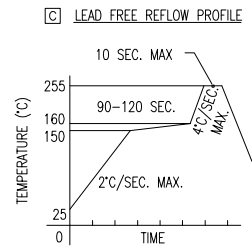
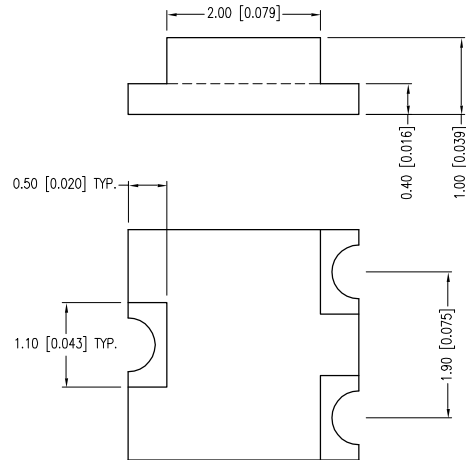
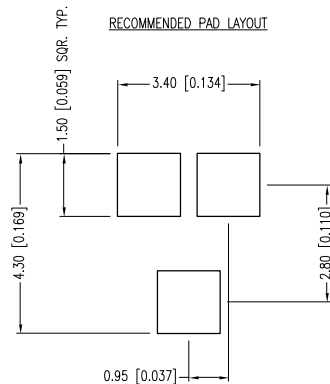
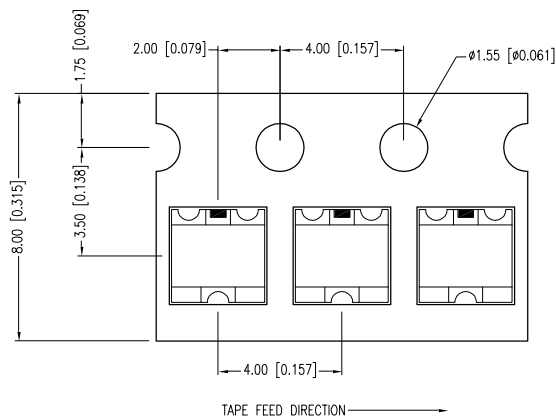
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		160	mA
STEADY CURRENT	(A/Y)	30	mA
POWER DISSIPATION		105	mW
DERATE FROM $25^\circ\text{C}$		-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$

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

## NOTES:

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

**[E] [A]** CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 3 STANDARDS

TOTAL TIME ABOVE  $220^\circ\text{C}$  IS 60 SECONDS MAX.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN=  $\frac{+ \text{DECIMAL PRECISION}}{-0.00}$  MAX=  $\frac{+0.00}{- \text{DECIMAL PRECISION}}$



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SOT-23 REPLACEMENT, SURFACE MOUNT LED, 605nm AMBER/585nm YELLOW LED, REVERSE POLARITY, WATER CLEAR.

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

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DATE:	11.28.06	DRAWN BY:	JC
PAGE:	1 OF 1	CHKD BY:	--
SCALE:		APRVD BY:	--
UNIT:	mm [INCH]		(P)

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