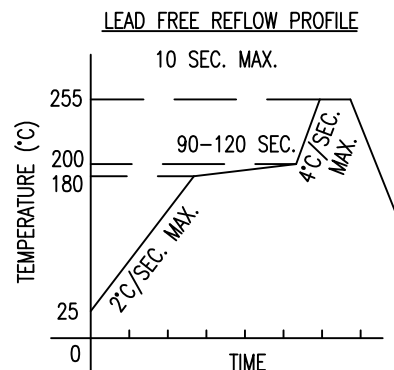
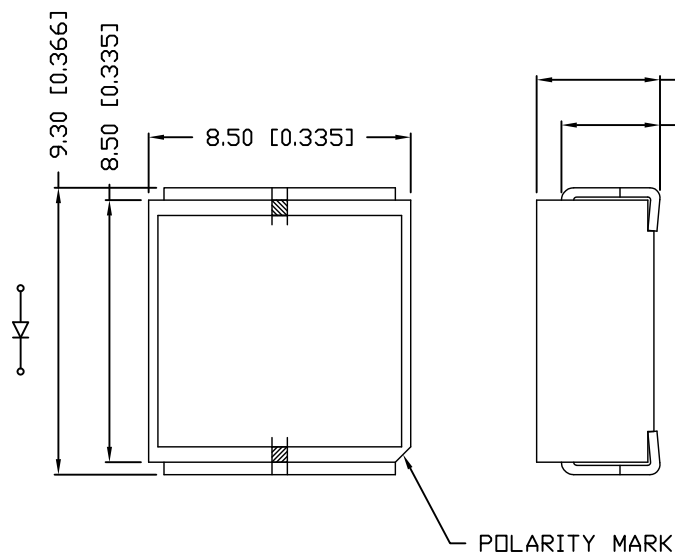
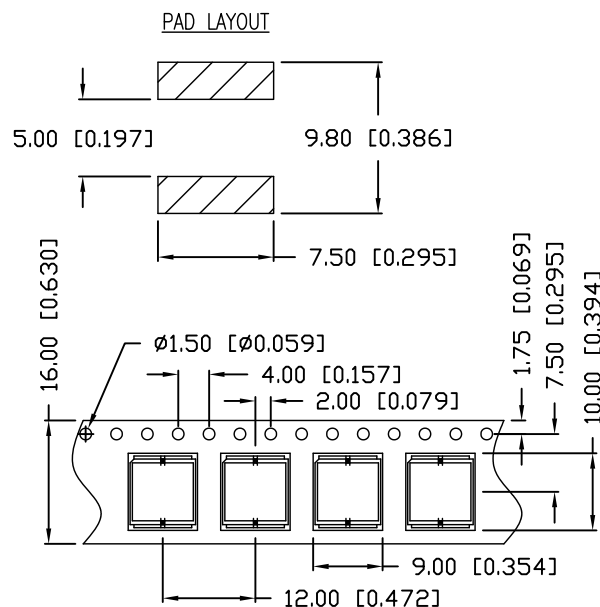
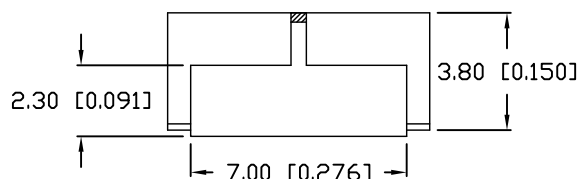


SML-LXIL3333SYCTR1



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			590		nm	
FORWARD VOLTAGE	V_f		2.2	2.5	V	$I_f=20mA$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu A$
AXIAL INTENSITY	I_v	170000			mcd	$I_f=20mA$
VIEWING ANGLE			18		2x theta	
EMITTED COLOR:	YELLOW					
EPOXY LENS FINISH:	WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT*	I_P	70	mA
STEADY CURRENT	I_F	20	mA
POWER DISSIPATION	P_D	200	W
OPERATING TEMP.	T_{OPR}	- 30 TO + 85	°C
STORAGE TEMP.	T_{STG}	- 30 TO + 90	°C

*DUTY 1/10 PULSE WIDTH 10ms

NOTES:

CATHODE IS ORIENTED TOWARDS THE TAPE SPOCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 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.=^{+DECIMAL PRECISION}_{-0.00} MAX.=^{+0.00}_{-DECIMAL PRECISION}

REV.

PART NUMBER

SML-LXIL3333SYCTR1

NARROW BEAM 8mm STM LED,
590nm YELLOW LED, WATER CLEAR LENS.

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.

RELIABILITY NOTE

**OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT
SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE.
PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.**



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

MA

CHECKED BY:

DT

APPROVED BY:

DT

: DATE: 01.07.14

PAGE: 1 OF 1

SCALE: N/A