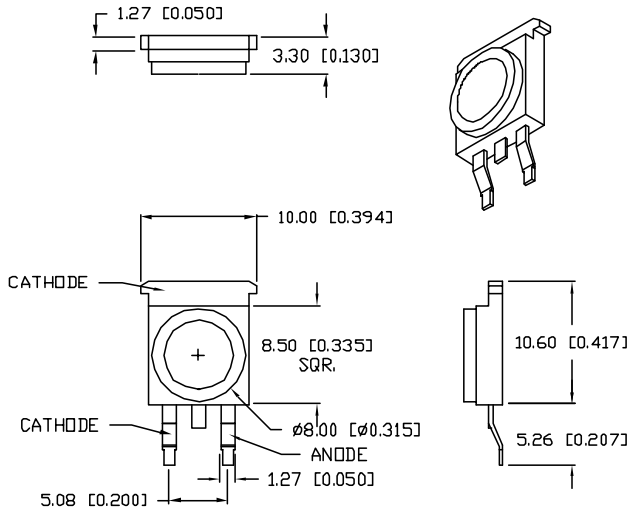


UNCONTROLLED DOCUMENT

PART NUMBER  
SML-LX1610SYC/A

REV.



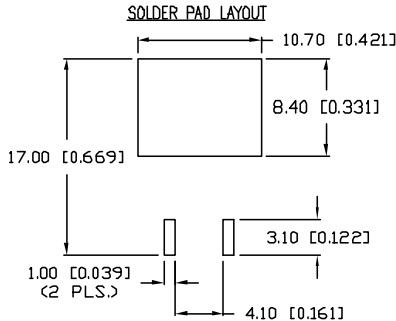
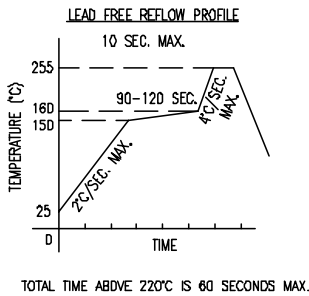
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=350\text{mA}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			592		nm	
FORWARD VOLTAGE	$V_f$		2.1	3.2	V	$I_f=350\text{mA}$
REVERSE VOLTAGE	$V_r$	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY(+)	$I_v$		22		lm	$I_f=350\text{mA}$
VIEWING ANGLE			110		$2x$ theta	
EMITTED COLOR:					YELLOW	
EPOXY LENS FINISH:					WATER CLEAR	

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

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	$I_p$	400	mA
STEADY CURRENT	$I_f$	350	mA
POWER DISSIPATION	$P_D$	1.1	W
OPERATING TEMP.	$T_{OPR}$	-20 TO +70	$^\circ\text{C}$
STORAGE TEMP.	$T_{STG}$	-40 TO +85	$^\circ\text{C}$

\*DUTY 1/10 PULSE WIDTH 10ms



CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.



NOTES:

1. 50 PCS. IN EACH TUBE.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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-LX1610SYC/A

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

10.60 x 10mm HIGH POWER LED, 590nm YELLOW LED.

**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.

DRAWN BY: JO  
CHECKED BY:  
APPROVED BY:  
DATE: 8.31.06  
PAGE: 1 OF 1  
SCALE: N/A