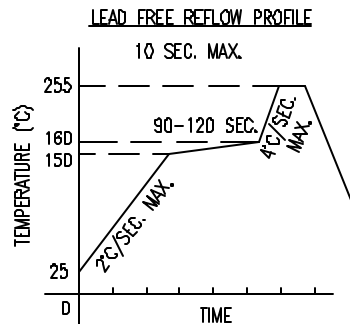
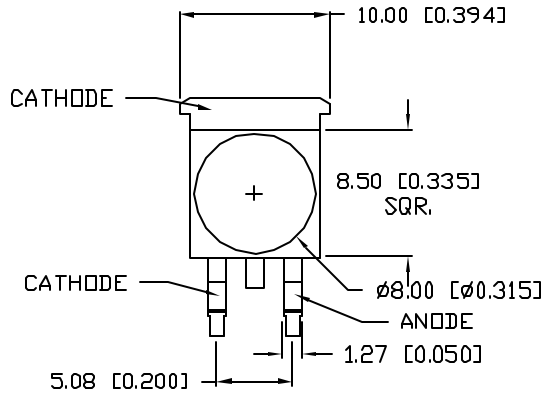
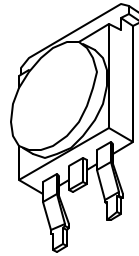
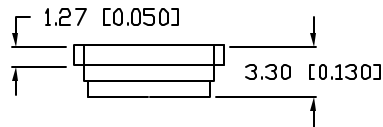
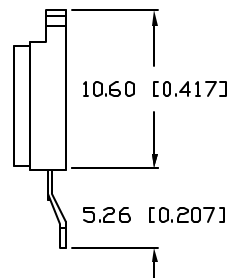


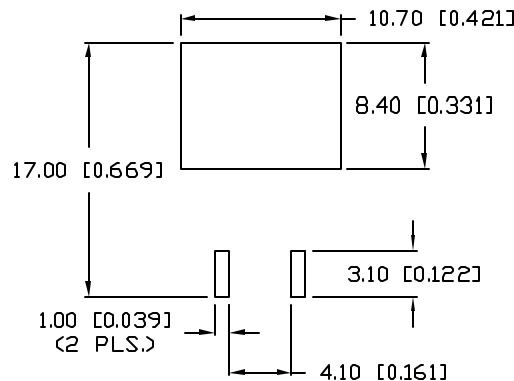
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TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



SOLDER PAD LAYOUT



PART NUMBER		REV.
SML-LX1610UPGC/A		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11388.	01.11.07

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			525		nm	
FORWARD VOLTAGE	V_f		4	2	V	$I_f=350\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY(*1)	I_v		25		lm	$I_f=350\text{mA}$
VIEWING ANGLE			110		2x theta	
EMITTED COLOR:	GREEN					
EPOXY LENS FINISH:	WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I_p	500	mA
STEADY CURRENT	I_F	350	mA
POWER DISSIPATION	P_D	1.5	W
OPERATING TEMP.	T_{OPR}	-20 TO +70	°C
STORAGE TEMP.	T_{STG}	-40 TO +85	°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.



UNCONTROLLED DOCUMENT

*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

REV.

A

PART NUMBER

SML-LX1610UPGC/A

CONFIDENTIAL INFORMATION

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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.



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10.60 x 10mm HIGH POWER LED, 525nm GREEN LED.

DRAWN BY:

JC

CHECKED BY:

APPROVED BY:

DATE: 8.31.06

PAGE: 1 OF 1

SCALE: N/A