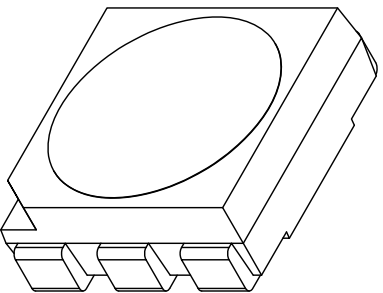
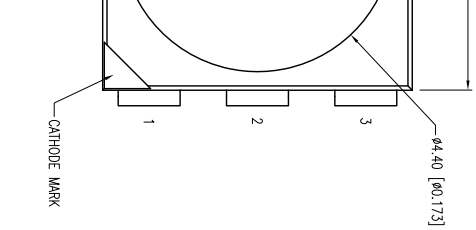




**THE DATASHEET OF
SML-LX5050SIC-TR**



PART NUMBER	SML-LX5050SIC-TR		REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
02.07.14	E.C.N. #11896.		REV.	A



ELECTRO-OPTICAL CHARACTERISTICS $T_c=25^\circ\text{C}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE	1.7	2.0	2.5	V _f	$I_f=10\mu\text{A}$
REVERSE VOLTAGE	5.0			V _r	$I_f=20\text{mA}$
AXIAL INTENSITY		85	160	md	
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	RED				
LENS FINISH:	WATER CLEAR				

NOTE: VALUES ARE PER DIE.

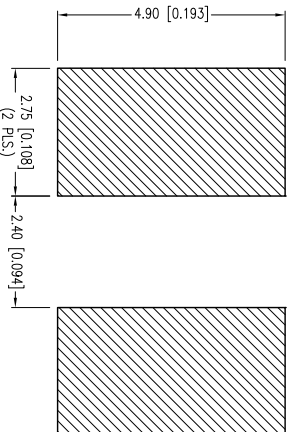
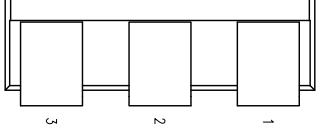
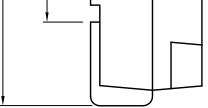
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	125	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	75	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

* T<T₀US

NOTE: VALUES ARE PER DIE.

**CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS**



RECOMMENDED SOLDER PAD LAYOUT

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), DECIMAL PRECISION MAX.= +0.00 (-0.00), DECIMAL PRECISION

EN R900 80067-69/76
947,359,2790
3,59,6538
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LUXEY PHOTONICS GROUP

5.0x5.0mm SML W/REFLECTOR, 636nm RED, WATER CLEAR, TAPE & REEL.

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

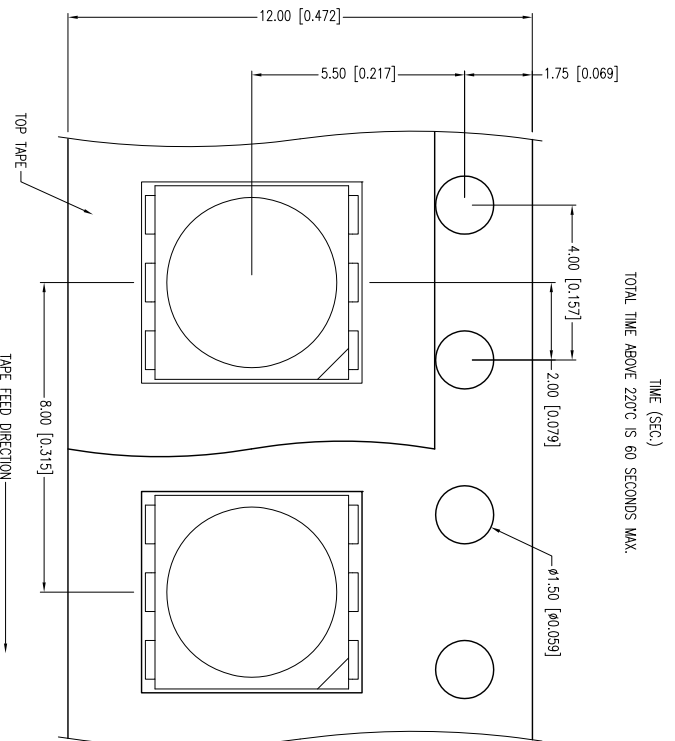
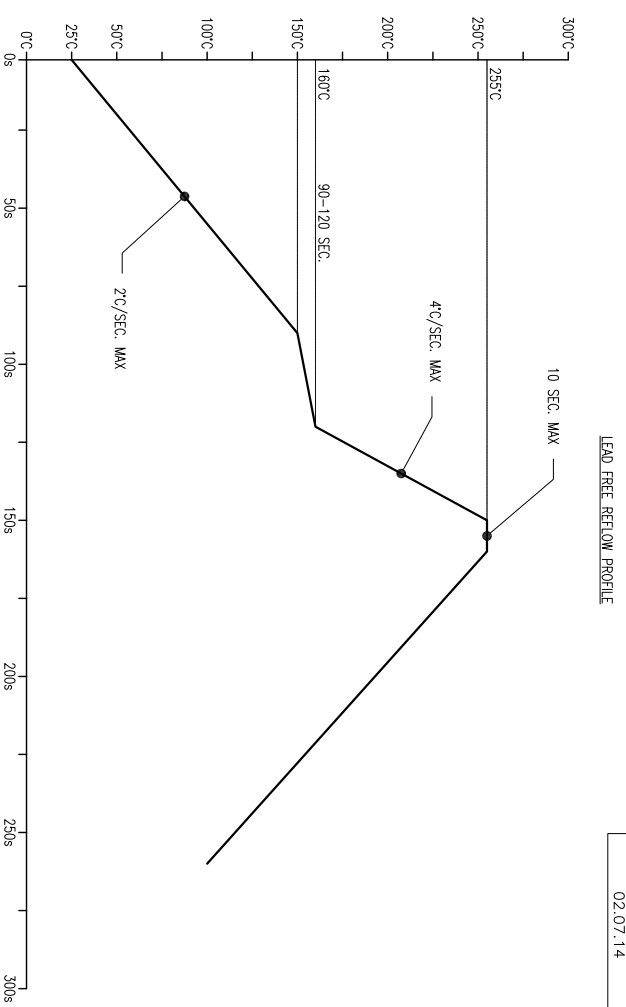
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DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
02.07.14			REV.	A
	E.C.N. #11896.			



- NOTES:
1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
 2. 3,000 PIECES PER REEL.

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±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 DECMAL PRECISION MAX.= +0.00 -0.00 DECMAL PRECISION

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management