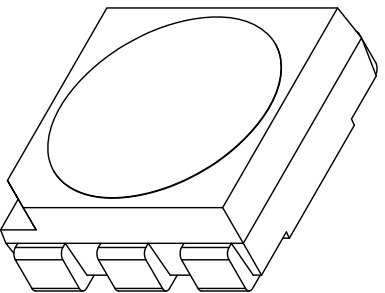
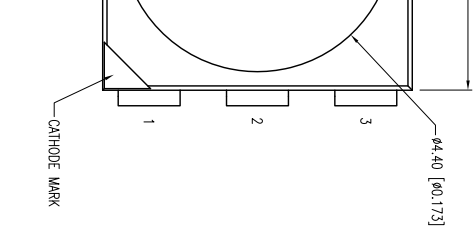


PART NUMBER	SML-LX5050USBC-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
02.18.14	E.C.N. #11896.	REV.	A



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE	2.8	3.3	3.7	V _f	$I_f=10\text{mA}$
REVERSE VOLTAGE	5.0			V _r	$I_f=20\text{mA}$
AXIAL INTENSITY		190	320	md	
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:		BLUE			
LENS FINISH:		WATER CLEAR			

NOTE: VALUES ARE PER DIE.

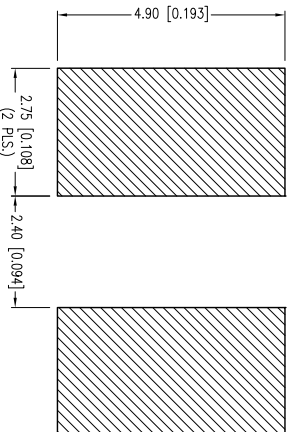
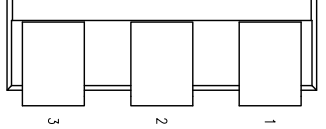
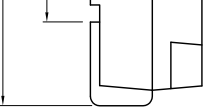
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	125	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	110	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

* I_T10/5
NOTE: VALUES ARE PER DIE.

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

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



RECOMMENDED SOLDER PAD LAYOUT

LN R040
80067-69/76
947.359.2790
.359.6538
LUXEY.COM
LUXEY PHOTONICS GROUP

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 DECMAL PRECISION MAX.= +0.00 DECMAL PRECISION

5.0x5.0mm SML W/REFLECTOR, 470nm BLUE, WATER CLEAR, TAPE & REEL.

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

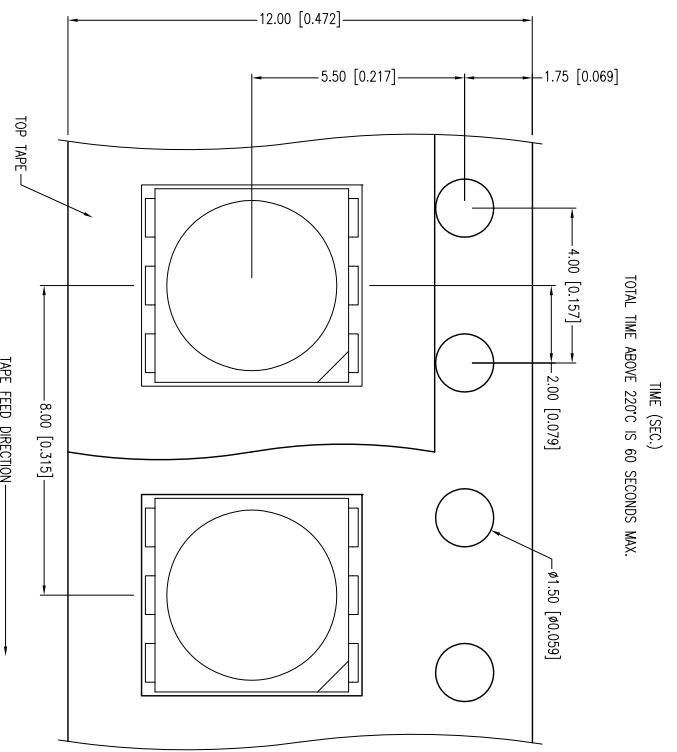
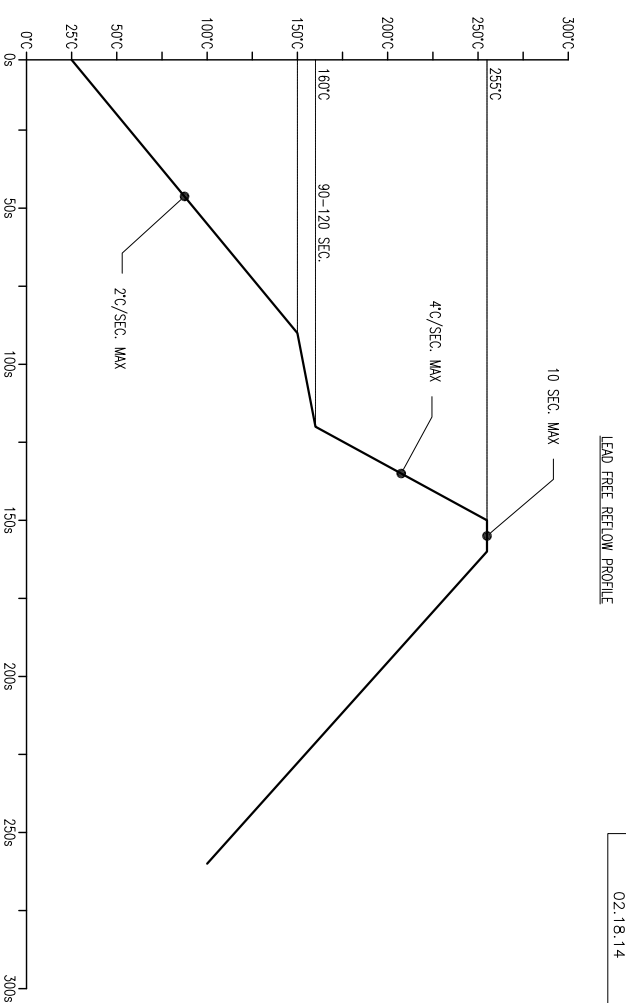
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PART NUMBER	SML-LX5050USB-C-TR		REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
02.18.14			REV.	A
	E.C.N. #11896.			



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

EN: R90D (+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 (-0.000), DECIMAL PRECISION MAX.= +0.00 (+0.000), DECIMAL PRECISION
 60067-6976
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- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management