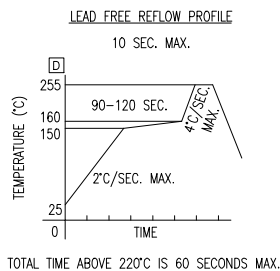
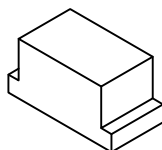
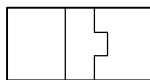
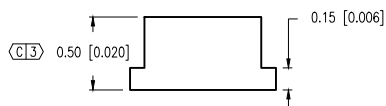
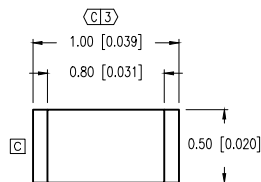


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COMPANY CONFIDENTIAL KPHS-1005SMGCK



PART NUMBER	SML-LX0402SUGCTRE1	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
6.04.02	E.C.N. #10873		A
3.14.03	E.C.N. #10967		B
4.18.03	E.C.N. #10983		C
12.03.04	E.C.N. #11148		D
3.05.09	E.C.N. #11508		E

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		574		nm	
FORWARD VOLTAGE		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		45		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		120		2θ	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

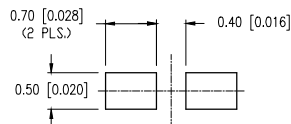
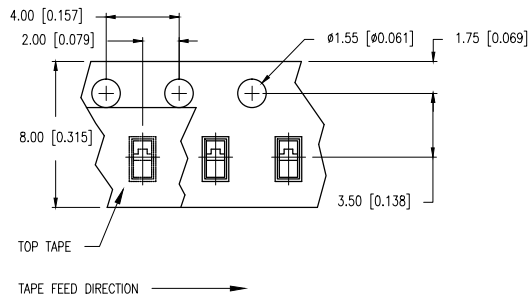
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING TEMP.	- 40 TO +85	°C
STORAGE TEMP.	- 40 TO +85	°C

* $t < 10\mu\text{s}$

NOTES:

- PARTS PACKAGED IN CONDUCTIVE COVER AND CARRIER TAPE.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS



RECOMMENDED SOLDER PAD LAYOUT

C1M C13 C13

*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 MAX.= +0.00 -0.00 DECIMAL PRECISION

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1.0mm X 0.5mm SURFACE MOUNT LED, 574nm AlInGaP GREEN LED, WATER CLEAR LENS, TAPE AND REEL.

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

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DATE: 7.09.10 DRAWN BY: MP

PAGE: 1 OF 1 CHKD BY: YN

SCALE: N/A APRVD BY: SS

UNIT: mm [INCH] (R) D