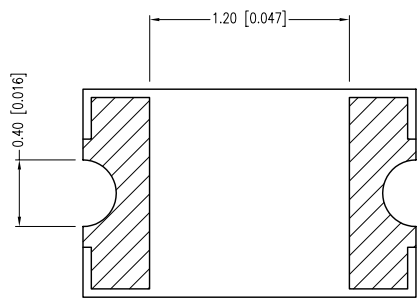
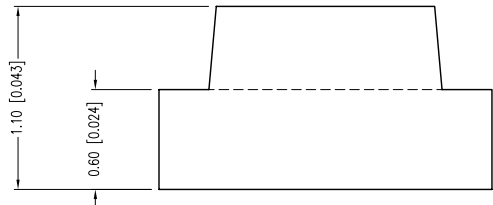
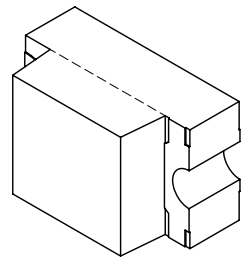
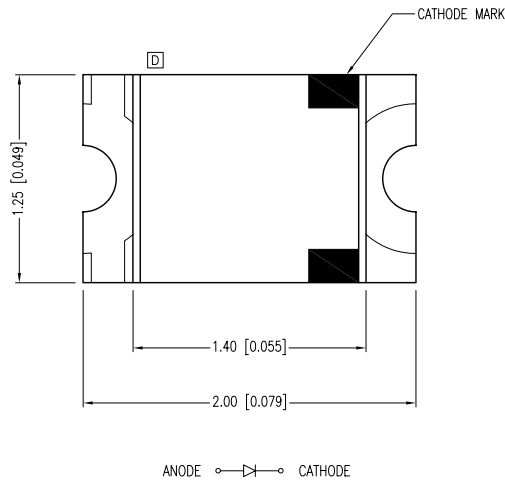
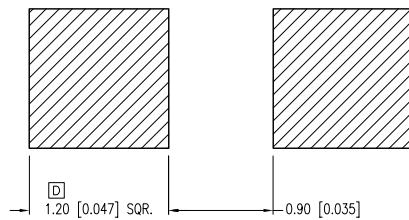


PART NUMBER	SML-LX0805UPGC-TR	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.09.02	E.C.N. #10862.		A
03.14.03	E.C.N. #10967.		B
08.09.05	E.C.N. #11248.		C
06.20.11	E.C.N. #10BRDR. & REDRAWN/# 11731.		D



RECOMMENDED SOLDER PAD LAYOUT



D ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA

PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		518		nm	
FORWARD VOLTAGE		3.5	4.0	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY	112		285	mcd	If=20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

D A LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	90	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 +90	°C

* t<10µS

B CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

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

*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} _{-0.00} MAX= ^{+0.00} _{-DECIMAL PRECISION}

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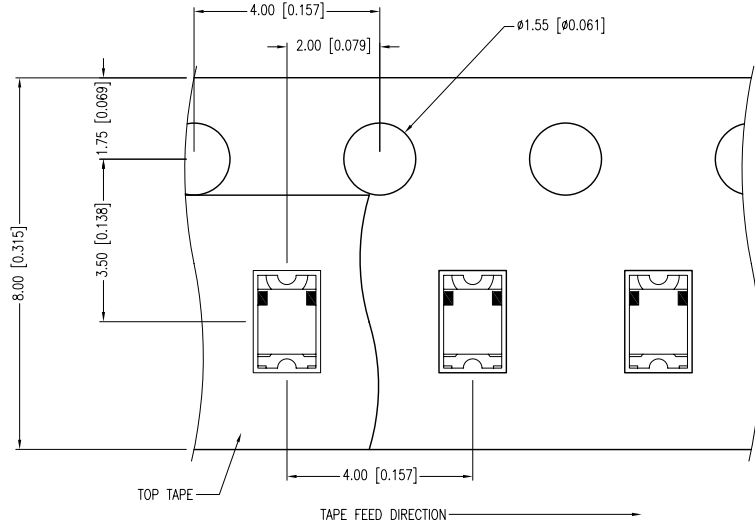
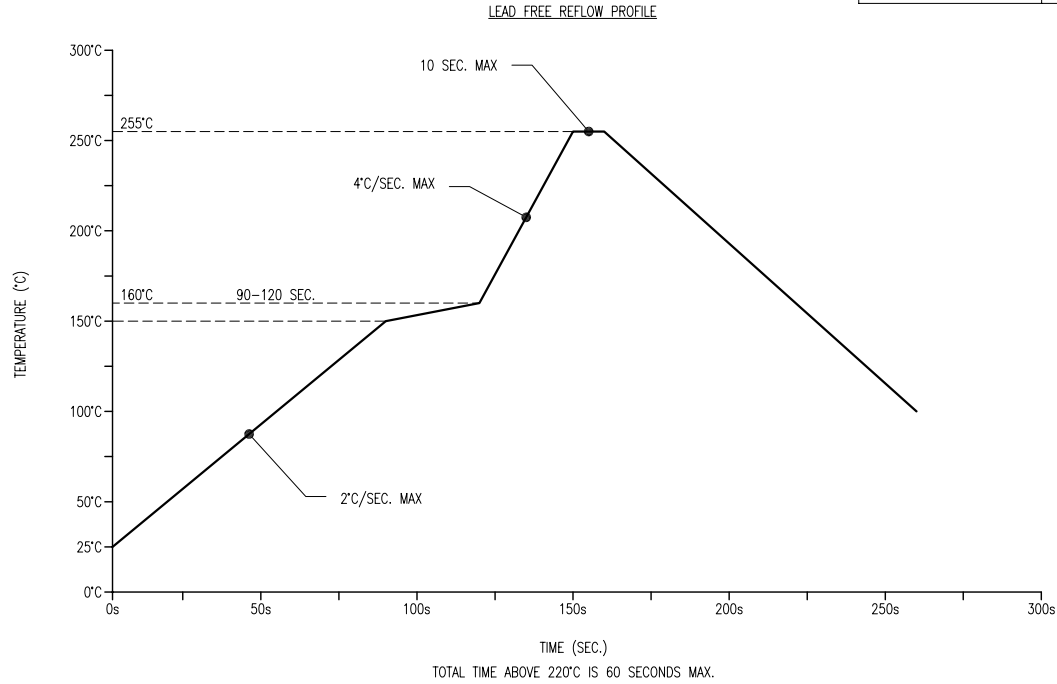
2.0x1.25mm PCB SURFACE MOUNT LED, 518nm ULTRA PURE GREEN, WATER CLEAR, TAPE & REEL.

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

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DATE:	06.20.11	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ

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06.20.11	E.C.N. #10BRDR. & REDRAWN/# 11731.		D



NOTES:

1. CATHODE MARK IS ORIENTED TOWARDS TAPE SPROCKET HOLE.

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DATE: 06.20.11	DRAWN BY: AB
PAGE: 2 OF 2	CHKD BY: KF
SCALE: NTS	APRVD BY: SS
UNIT: mm [INCH]	(P6)