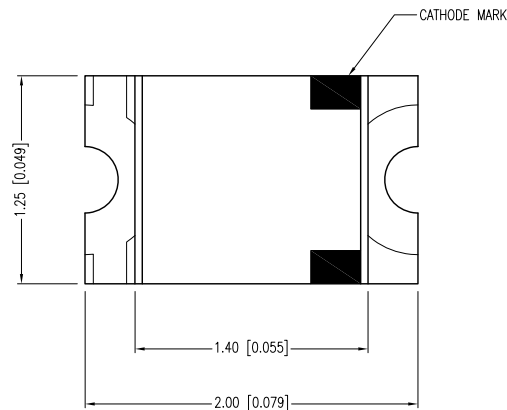
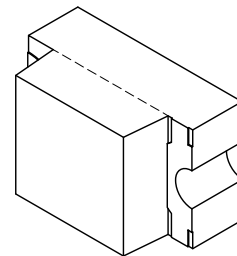
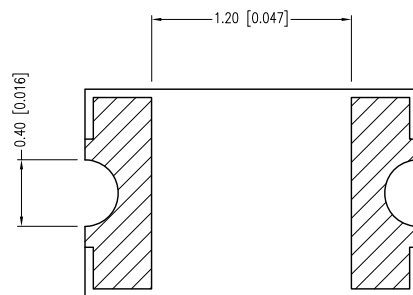
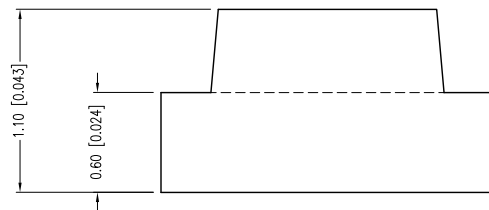
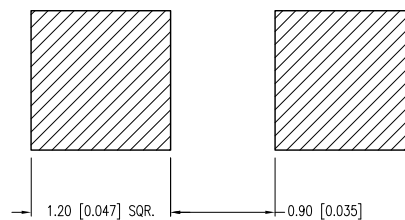




ANODE CATHODE



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	SML-LX0805SIC-TR	REV.	E
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
01.17.05	E.C.N. #11148.		C
03.06.09	E.C.N. #11508.		D
05.07.12	E.C.N. #10BRDR & REDRAWN.		E

ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.6	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100μA
AXIAL INTENSITY		60		mcd	If=20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	RED				
LENS FINISH:	WATER CLEAR				

[A] LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	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

[D] [B]	CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2 STANDARDS
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*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}

UNCONTROLLED DOCUMENT

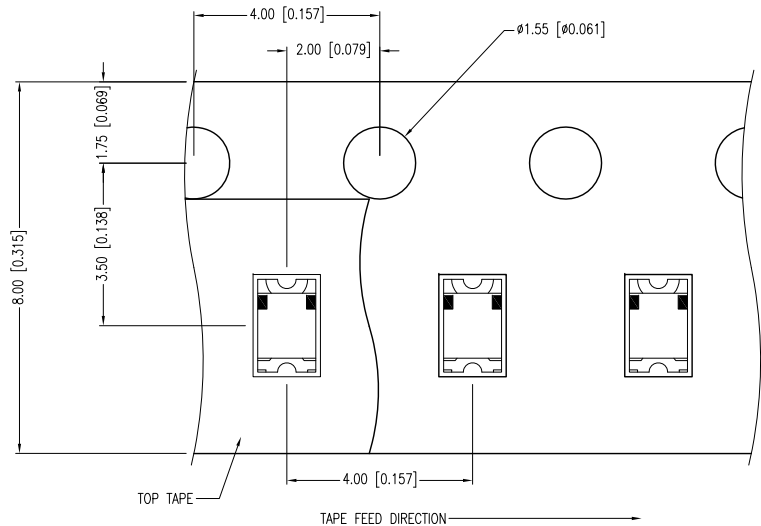
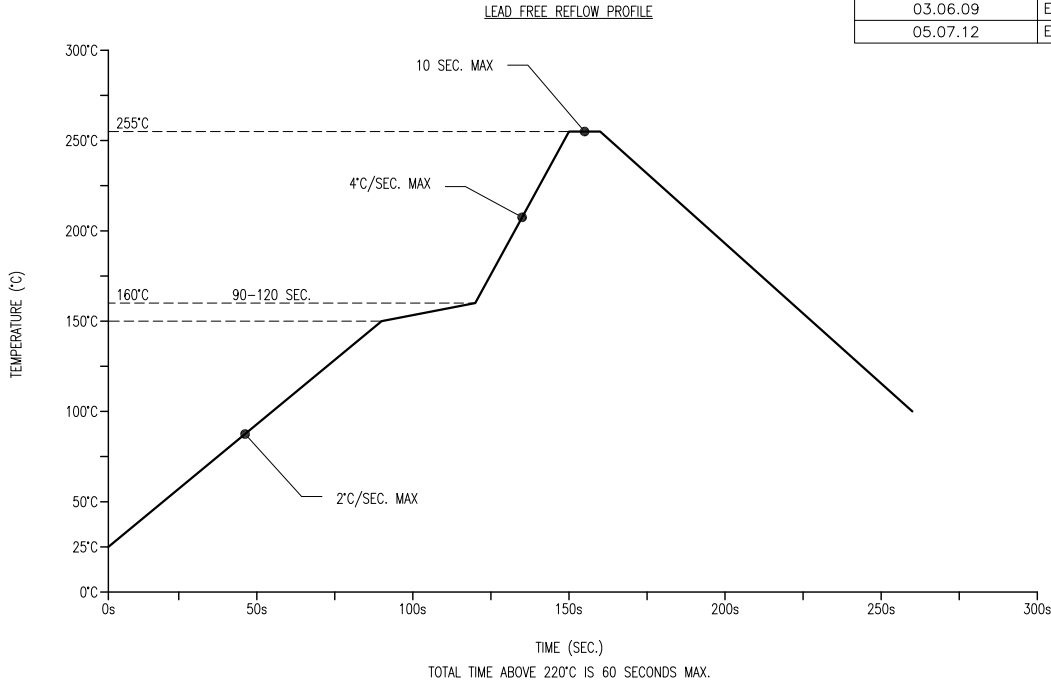
2.0mm x 1.25mm PCB SURFACE MOUNT, 636nm AMBER LED, WATER CLEAR LENS, TAPE AND REEL, 3K PER REEL.

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

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DATE:	05.07.12	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		Ⓟ

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NOTES:

1. POLARITY MARK IS ORIENTED TOWARDS TAPE SPROCKET HOLE.