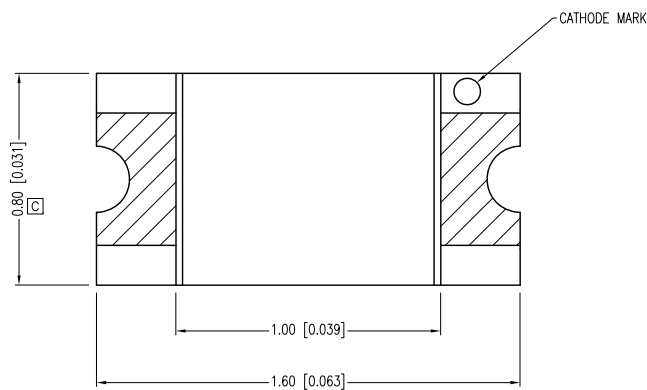
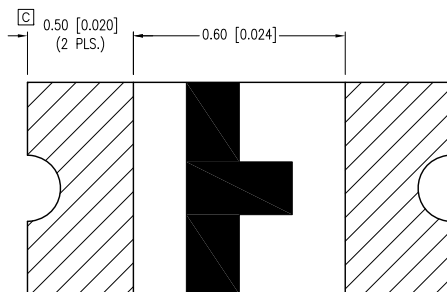
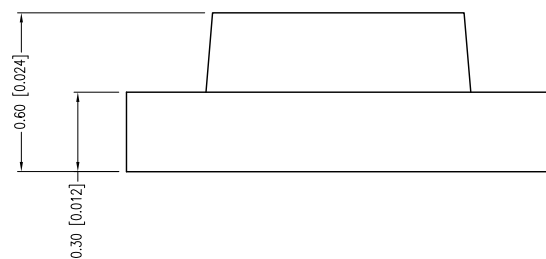
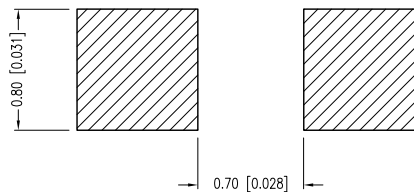




ANODE  CATHODE



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	SML-LX0603IW-TR	REV.	G
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
09.30.98	E.C.N. #10BRDR. & REDRAWN.		A
07.18.00	E.C.N. #10644.		B
12.03.02	E.C.N. #10933.		C
03.14.03	E.C.N. #10967.		D
12.06.04	E.C.N. #11148.		E
05.19.08	E.C.N. #11508.		F
09.16.13	E.C.N. #10BRDR. & REDRAWN.		G

[A]

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100 μ A
AXIAL INTENSITY		14		md	I _f =20mA
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	RED				
LENS FINISH:	MILKY WHITE DIFFUSED				

[B] LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	50	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C

* t<10 μ s

[F] [D]

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

*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.= -DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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MEMBER OF ITW PHOTONICS GROUP

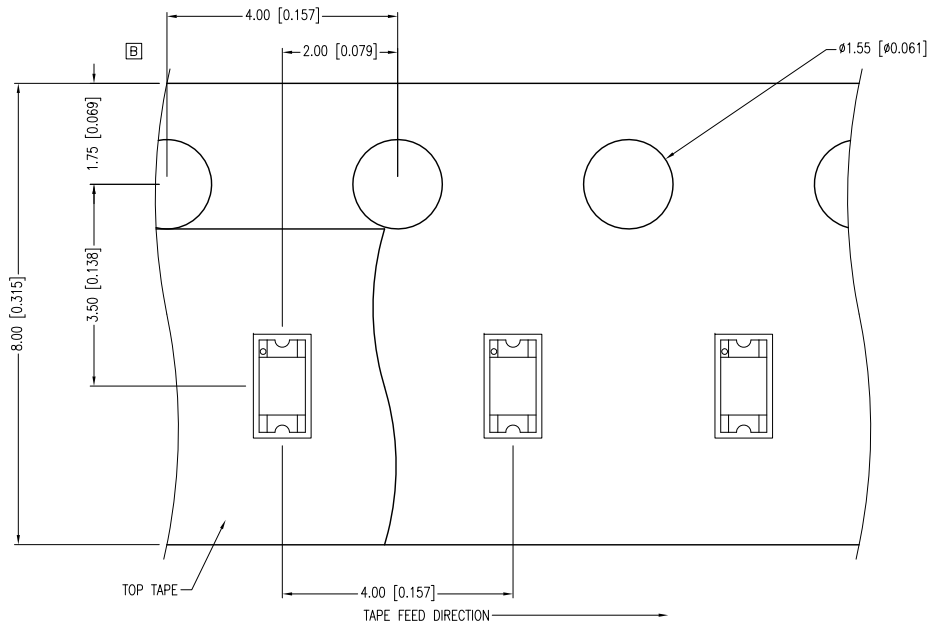
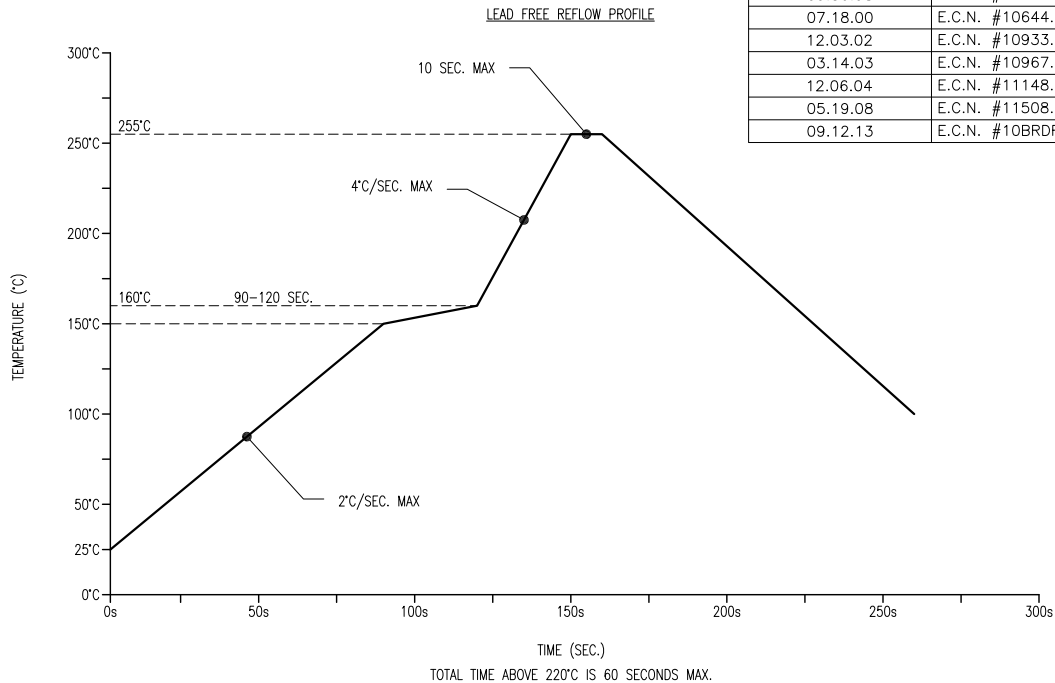
1.6mm x 0.8mm PCB CHIP, SURFACE MOUNT LED, 635nm RED LED, MILKY WHITE DIFFUSED LENS.

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

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DATE:	09.16.13	DRAWN BY:	MA
PAGE:	1 OF 2	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		(P6)

PART NUMBER	SML-LX0603IW-TR	REV.	G
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09.12.13	E.C.N. #10BRDR. & REDRAWN.		G



NOTES:

1. THE CATHODE MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.