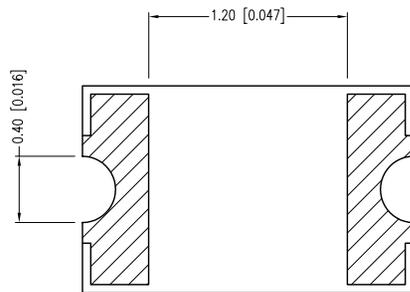
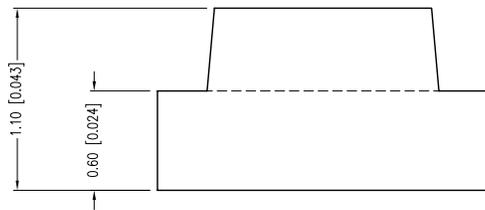
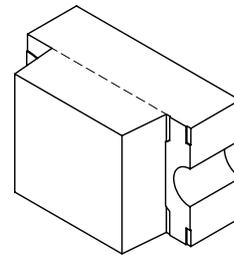
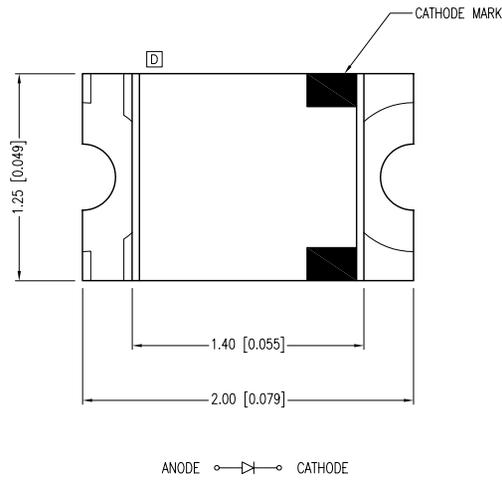
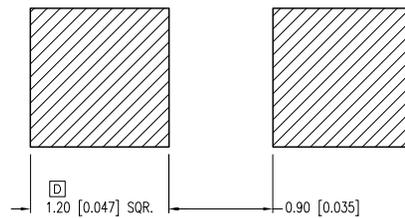


PART NUMBER	SML-LX0805UPGC-TR	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.09.02	E.C.N. #10862.		A
03.14.03	E.C.N. #10967.		B
08.09.05	E.C.N. #11248.		C
06.20.11	E.C.N. #10BRDR. & REDRAWN/# 11731.		D



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	If=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

LUMEX
Creating LED and LCD Solutions Together.™

290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

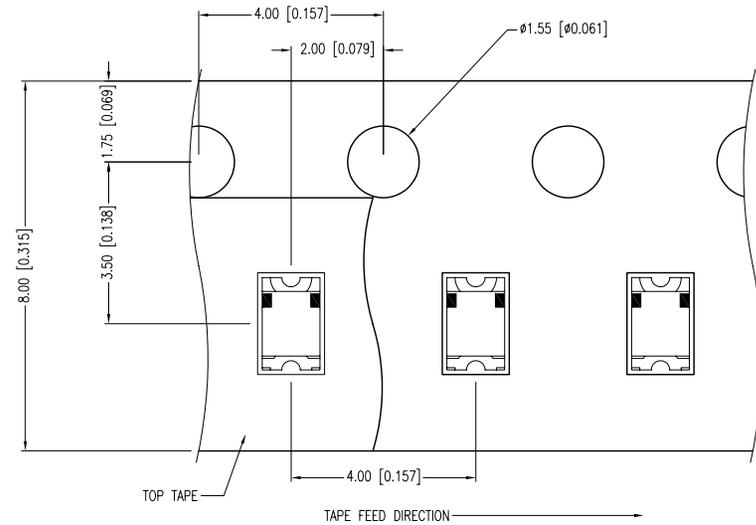
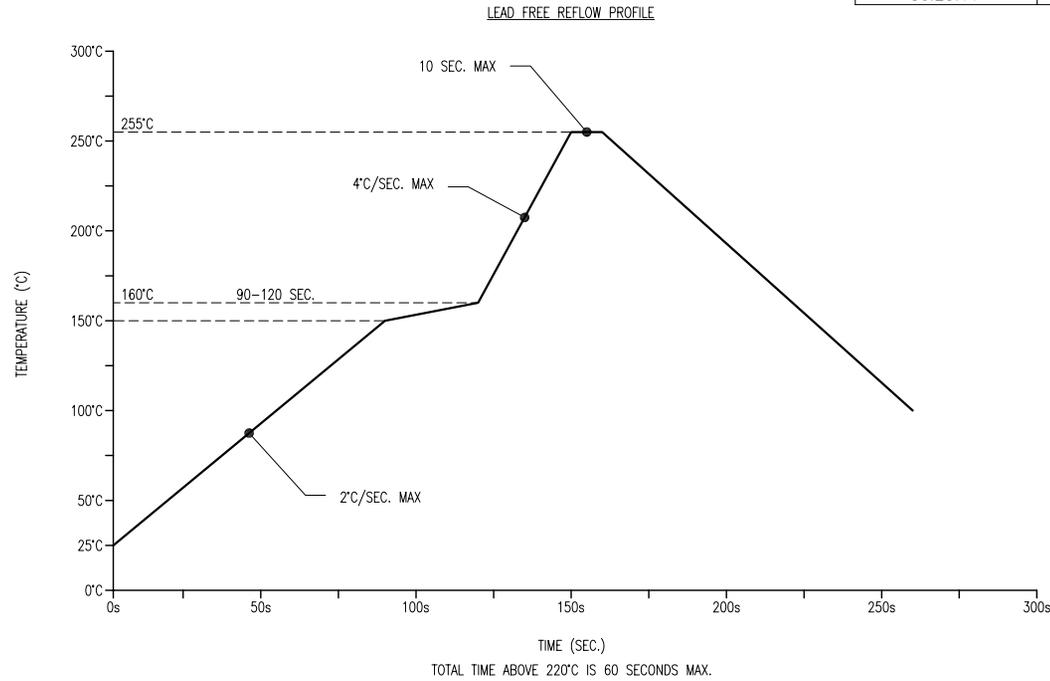
2.0x1.25mm PCB SURFACE MOUNT LED, 518nm ULTRA PURE GREEN, WATER CLEAR, TAPE & REEL.

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

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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

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



NOTES:
1. CATHODE MARK IS ORIENTED TOWARDS TAPE SPROCKET HOLE.

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

LUMEX
Creating LED and LCD Solutions Together.™

290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

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.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[SML-LX0805UPGC-TR](#)