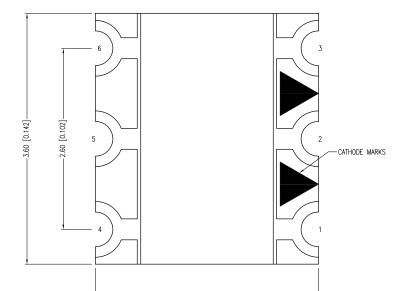
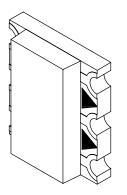
SML-LX3632SIUPGUSB

REV.



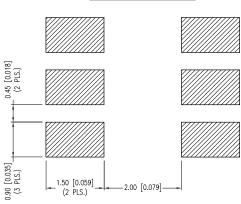
-3.20 [0.126]-



6 **→**→→ 3 BLUE

-2.00 [0.079]--1.90 [0.075]-

RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTE	RED		=20mA BLUE	LIMITO	LIMITO
PARAMETER	KEU	GREEN	BLUE	UNITS	UNITS
PEAK WAVELENGTH	650	515	468	nm	
FORWARD VOLTAGE (TYP)	1.95	3.3	3.3	Vf	
FORWARD VOLTAGE (MAX)	2.50	4.1	4	Vf	
REVERSE VOLTAGE	5.0	5.0	5.0	Vr	Ir=100μA
AXIAL INTENSITY	250	350	80	mcd	If=20mA
/IEWING ANGLE	120	120	120	2x theta	
EPOXY LENS FINISH: WAT	ER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS	
PEAK FORWARD CURRENT*	(R/G/B)	185/150/150	mA	
STEADY CURRENT	(R/G/B)	30/25/30	mA	
POWER DISSIPATION	(R/G/B)	75/102.5/120	mW	
DERATE FROM 25°C	(R/G/B)	-1.2/-1.2/-1.6	mW/*C	
OPERATING TEMP.		-40 TO +85	•C	
STORAGE TEMP.		-40 TO +85	•c	
SOLDERING TEMP.		+260	•c	
2.0mm FROM BODY		3	SEC. MAX.	

* t<10µS

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

> CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS



1.10 [0.043]

0.50 [0.020]

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

3.2x3.6mm SURFACE MOUNT LED, RGB, WATER CLEAR LENS, TAPE & REEL

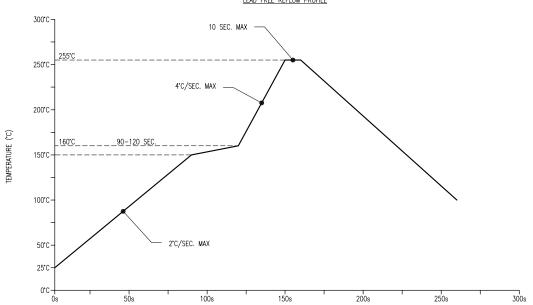
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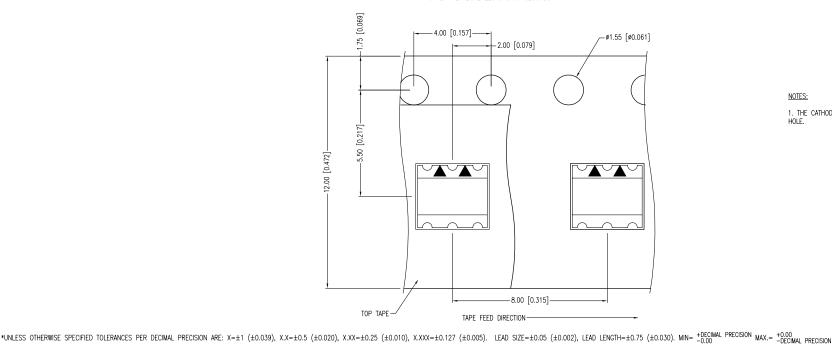
DATE:	06.22.11	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT: mm [INCH]		Pb	

REV.

PRELIMINARY IN P/N DIR LEAD FREE REFLOW PROFILE



TIME (SEC.) TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET

Creating LED and LCD Solutions Together'

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3.2x3.6mm SURFACE MOUNT LED, TRI-COLOR RGB, WATER CLEAR LENS, TAPE & REEL

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UNCONTROLLED DOCUMENT DATE: 06.22.11 DRAWN BY: AΒ PAGE: 2 OF 2 CHKD BY: KF SCALE: NTS APRVD BY: SS UNIT: mm [INCH] (Pb)