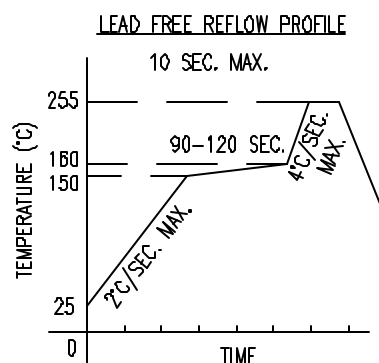
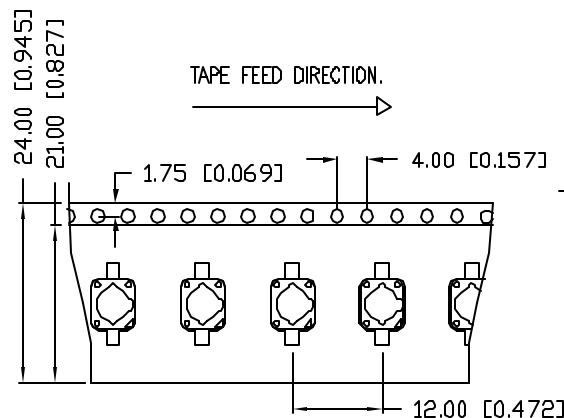
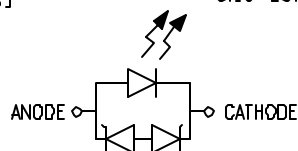
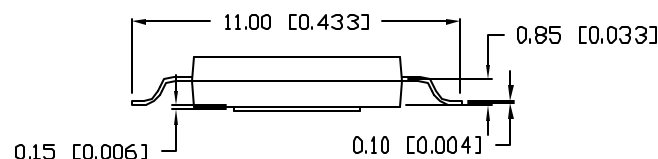
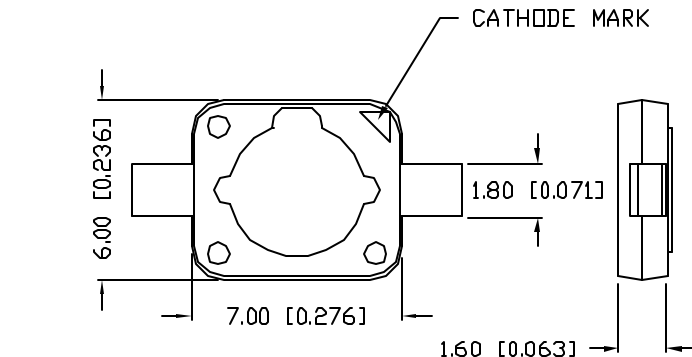


UNCONTROLLED DOCUMENT

PART NUMBER  
SML-LX2723USBC-TRREV.  
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11459.	12.07.07



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

NOTE:

250 PECES PER REEL

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), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$ 

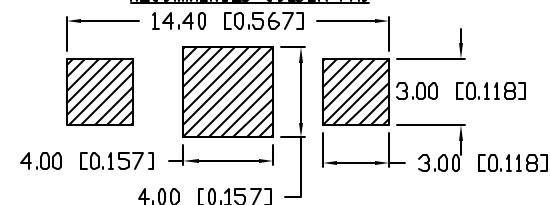
PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			470		nm	
FORWARD VOLTAGE	$V_f$		3.2	4.0	V	$I_f=350\text{mA}$
REVERSE VOLTAGE	$V_r$	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY	$I_v$	5		13	lm	$I_f=350\text{mA}$
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	BLUE					
EPOXY LENS FINISH:	CLEAR					

## LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	350	mA
POWER DISSIPATION	2.1	W
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

\* $T < 10\mu\text{s}$ 

## RECOMMENDED SOLDER PAD



UNCONTROLLED DOCUMENT

REV.  
A

PART NUMBER

SML-LX2723USBC-TR

7mm X 6mm SURFACE MOUNT HIGH POWER LED,  
470nm ULTRA BLUE, TAPE AND REEL.

## CONFIDENTIAL INFORMATION

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## RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

DRAWN BY:

CHECKED BY:

APPROVED BY:

JN

DATE: 9.04.07

PAGE: 1 OF 1

SCALE: N/A

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