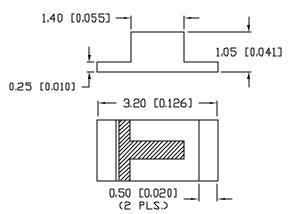
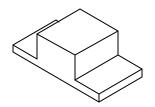
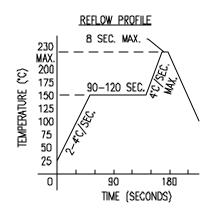
UNCONTROLLED DOCUMENT

CATHODE 0.60 [0.024] -1,60 [0,063]

ANODE ← ☐ CATHODE







SML-LXR1206USBC-TR

PART NUMBER

REV.

ELECTRO-OPTICAL CHARACTERISTICS TA=25°C $I_f = 20mA$ PARAMETER TYP MAX UNITS TEST COND PEAK WAVELENGTH 470 пm FORWARD VOLTAGE 3.5 4.0 ٧f REVERSE VOLTAGE 5.0 ٧r $I_r = 100 \mu A$ AXIAL INTENSITY 45 mcd $I_f = 20 \text{mA}$ VIEWING ANGLE 120 2x theta EMITTED COLOR: BLUE EPOXY LENS FINISH; WATER CLEAR

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	<i>3</i> 0	mA
POWER DISSIPATION	98	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING TEMP.	- 30 TO + 85	' C
STORAGE TEMP.	- 40 TO + 85	' C

* t<10µS

NOTES:

- 1. 2,000 PIECES PER REEL
- 2. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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

CAUTION: MOISTURE SENSITIVE DEVICE

SHELF LIFE IN SEALED BAG:

12 WONTHS AT <40°C AND <90% RELATIVE HUMDITY (RH). 2. AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE MOUNTED WITHIN 4B HOURS OR STORED AT <30% RH.

2.00 [0.079]

Ø1.55 [Ø0.061]

3.50 [0.138]

1.75 [0.069]

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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. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: (847) 359-2790 WEB: http://www.lumex.com

DRAWN BY: CHECKED BY: APPROVED BY: DATE: 12.20.00 PAGE: 1 OF 1 SCALE: N/A SS/BC

TOP TAPE TAPE FEED DIRECTION *UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL 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)

REV.

4.00 [0.157] -

8.00 [0.315]

PART NUMBER SML-LXR1206USBC-TR

2.0mm x 1.25mm SURFACE MOUNT LED. REVERSE MOUNT, 470nm ULTRA SUPER BLUE LED, WATER CLEAR LENS, TAPE AND REEL.

RECOMMENDED SOLDER PAD LAYOUT

2.30 [0.091] HOLE 1.60 [0.063] 1.50 [0.059] 2.10 [0.083] (2 PLS₁)

Mouser Electronics

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