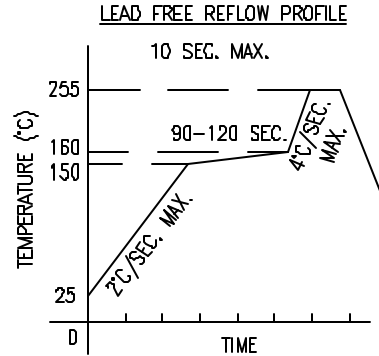
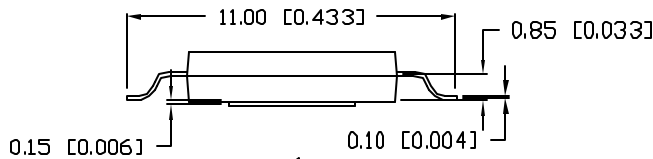
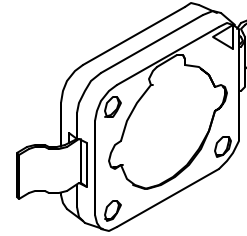
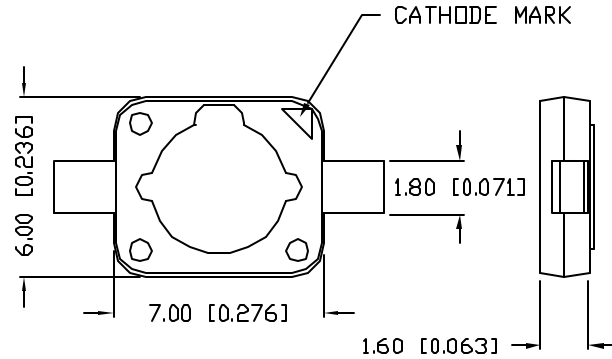


UNCONTROLLED DOCUMENT

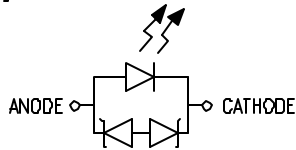
PART NUMBER
SML-LX2723SYC-TR

REV.
A

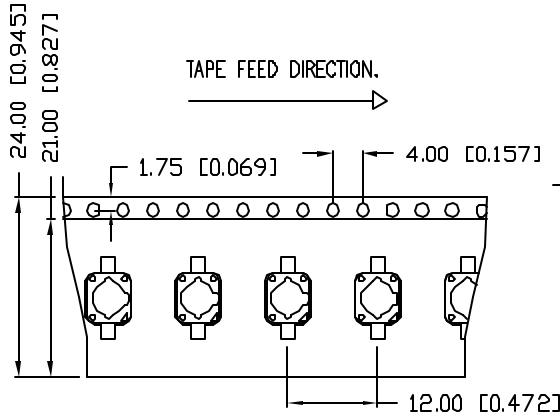
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11459.	12.07.07



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



TAPE FEED DIRECTION.



NOTE:

250 PECES PER REEL

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

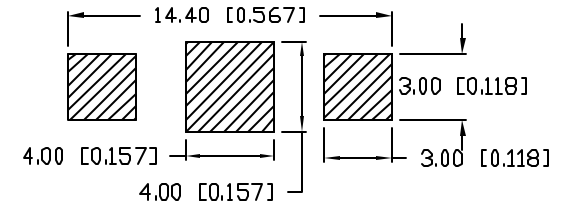
PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			590		nm	
FORWARD VOLTAGE	V_f		2.0	2.9	V	$I_f=350\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY	I_v	23		39	lm	$I_f=350\text{mA}$
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	YELLOW					
EPOXY LENS FINISH:	CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	350	mA
POWER DISSIPATION	1.5	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

*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

REV. A PART NUMBER SML-LX2723SYC-TR

7mm X 6mm SURFACE MOUNT HIGH POWER LED,
590nm SUPER YELLOW, TAPE AND REEL.

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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

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SCALE: N/A