

UNCONTROLLED DOCUMENT

PART NUMBER
SML-LX2723MWC-TRREV.
A

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

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH					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(*1)	I_v	23		39	lm	$I_f=350\text{mA}$
COLOR TEMP		2670		3250	K	
VIEWING ANGLE			120		$2x \theta_{\text{theta}}$	
EMITTED COLOR:			WHITE			
EPOXY LENS FINISH:			CLEAR			

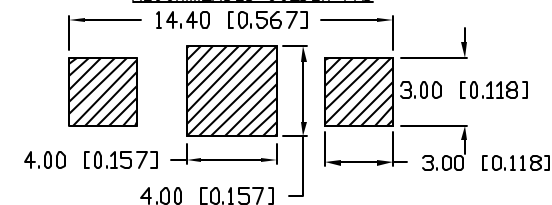
*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

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/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

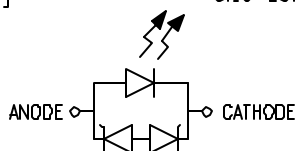
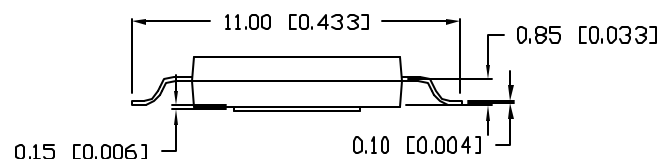
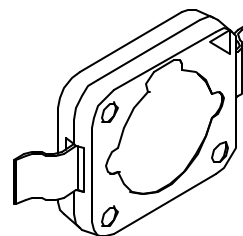
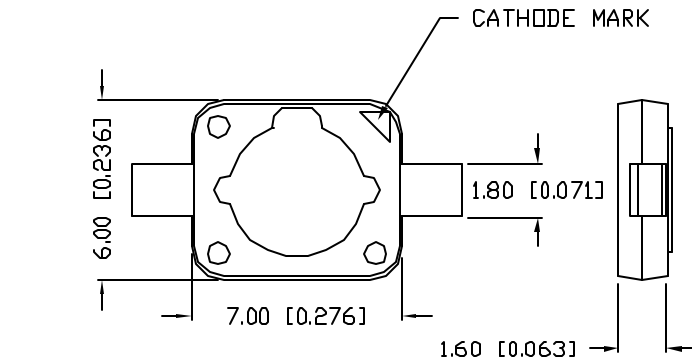
RECOMMENDED SOLDER PAD



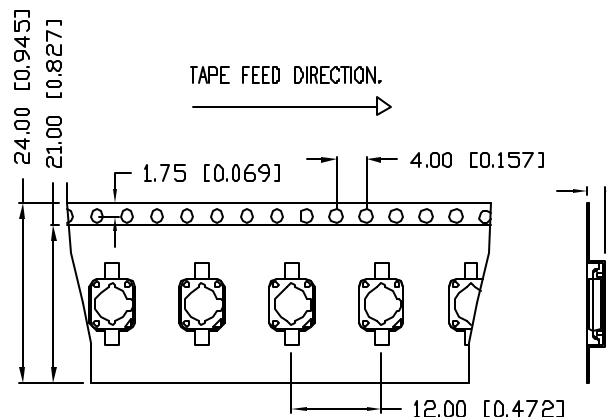
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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005).

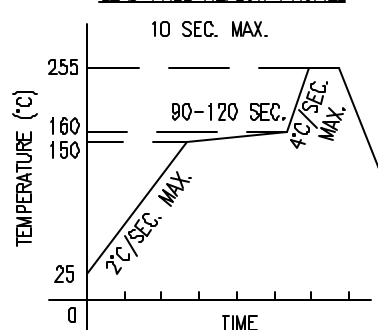
LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.=+DECIMAL PRECISION -0.00, MAX.=+0.00 -DECIMAL PRECISION



TAPE FEED DIRECTION.



LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

NOTE:

250 PICES PER REEL

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.REV.
APART NUMBER
SML-LX2723MWC-TR7mm X 6mm SURFACE MOUNT HIGH POWER LED,
WARM WHITE, TAPE AND REEL, 1 WATT.

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.

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SCALE: N/A

JN

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