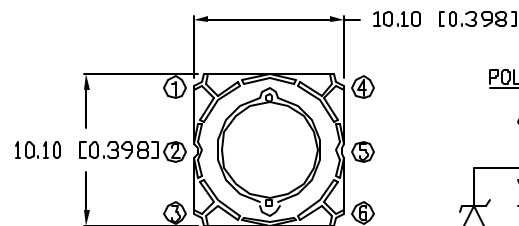
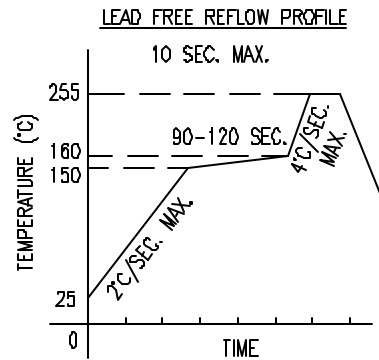
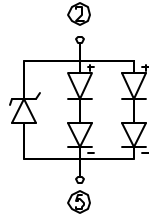


SML-LX3939UWC-TR

PRELIMINARY IN P/N DIR

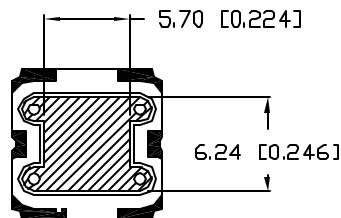
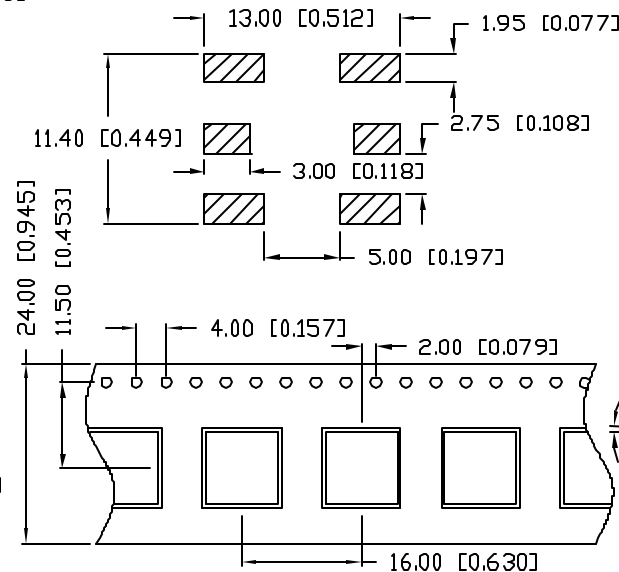
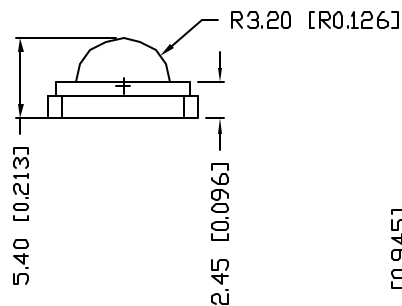


POLARITY:



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

PAD LAYOUT:

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH					nm	
FORWARD VOLTAGE	V_f	6.6		8.0	V	$I_f=350\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY	I_v	130		250	Lm	$I_f=350\text{mA}$
VIEWING ANGLE			130		2x theta	
EMITTED COLOR:			WHITE			
COLOR TEMPERATURE		4500	6300	10000	K	
EPOXY LENS FINISH:			CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1.0	A
STEADY CURRENT	700	mA
POWER DISSIPATION	7.5	W
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +80	°C

* $T < 10\mu\text{s}$ CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDSCAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.=+0.00/-0.00, MAX.=+0.00/-0.00

REV.

PART NUMBER

SML-LX3939UWC-TR

10.10mm SQUARE 5 WATT HIGH POWER SMT LED,
WHITE LED, WATER CLEAR LENS.

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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APPROVED BY:

DATE: 10.05.07

PAGE: 1 OF 2

SCALE: N/A