

Excellent Integrated System Limited

Stocking Distributor

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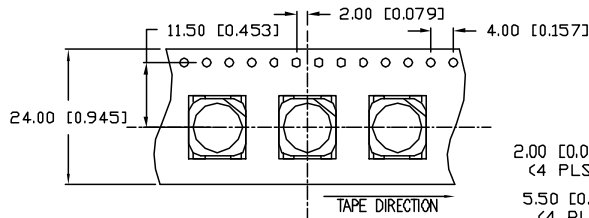
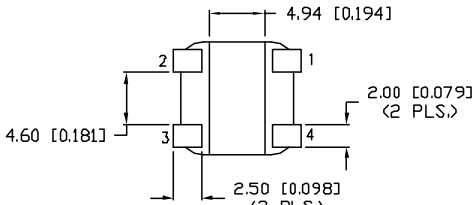
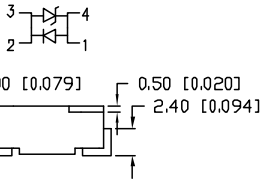
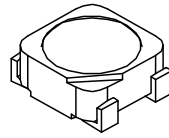
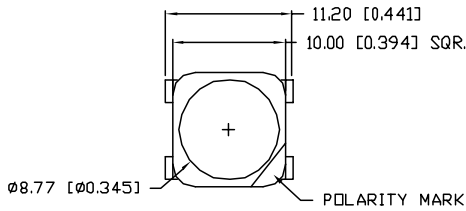
[Lumex, Inc.](#)
[SML-LX1110UWC-BTR](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

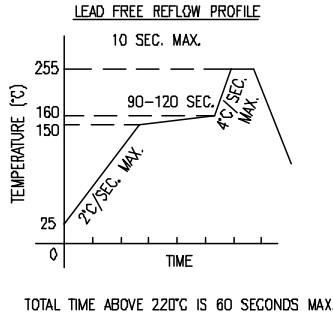
UNCONTROLLED DOCUMENT

PART NUMBER
SML-LX1110UWC-BTR

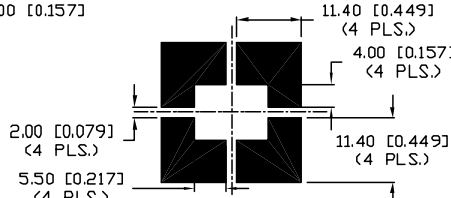
REV.



*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).



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=350\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	-	-	nm	
FORWARD VOLTAGE	-	3.5	4.0	V_f	
REVERSE VOLTAGE	-	-	0	V_r	
AXIAL INTENSITY	-	12000	-	mcd	$I_f=350\text{mA}$
LUMINOUS FLUX	-	22	-	lm	$I_f=350\text{mA}$
CHROMATICITY X:	-	.33	-		
COORDINATES Y:	-	.34	-		
VIEWING ANGLE	-	120	-	2x theta	
EMITTED COLOR:	WHITE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

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

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

CAUTION: MOISTURE SENSITIVE DEVICE
 PER JEDEC LEVEL 6 STANDARDS



NOTES:

1. ANODE TOWARDS TAPE HOLE.

UNCONTROLLED DOCUMENT



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REV.	PART NUMBER SML-LX1110UWC-BTR
PLCC-4 SMT LED, HIGH POWER, ULTRA WHITE.	

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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.

DRAWN BY: JD	CHECKED BY:	APPROVED BY:	DATE: 7.11.05 PAGE: 1 OF 1 SCALE: N/A
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