

Excellent Integrated System Limited

Stocking Distributor

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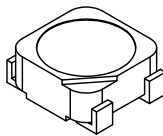
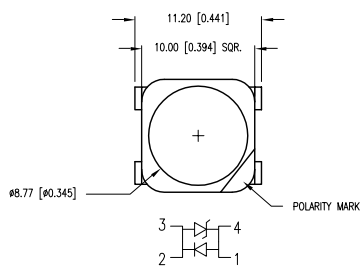
[Lumex, Inc.](#)
[SML-LX1110UWC-ATR](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

UNCONTROLLED DOCUMENT

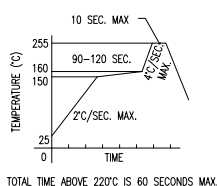
PART NUMBER	SML-LX1110UWC-ATR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		
01.14.11	E.C.N. #11688.		



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

LEAD FREE REFLOW PROFILE



A 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		22		cd	$I_f=350\text{mA}$
LUMINOUS FLUX		65		lm	$I_f=350\text{mA}$
COLOR TEMP.	5310		7040		
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	COOL 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

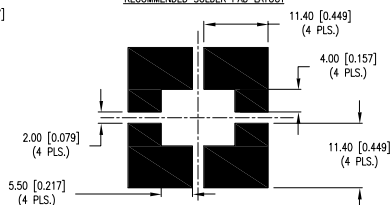
A THERMAL PARAMETERS

PARAMETER	VALUE	UNITS
MAXIMUM JUNCTION TEMPERATURE	110	°C
THERMAL RESISTANCE JUNCTION-CASE	9	°C/W

NOTES:

1. ANODE TOWARDS TAPE HOLE.

RECOMMENDED SOLDER PAD LAYOUT



*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 MAX.= -DECIMAL PRECISION



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

PLCC-4 SMT LED, HIGH POWER, COOL WHITE, WITH INTERNAL REFLECTIVE CAVITY.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE: 07.11.05	DRAWN BY: JD
PAGE: 1 OF 1	CHKD BY: KF
SCALE:	APRVD BY: BC
UNIT: mm [INCH]	