

Excellent Integrated System Limited

Stocking Distributor

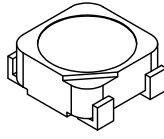
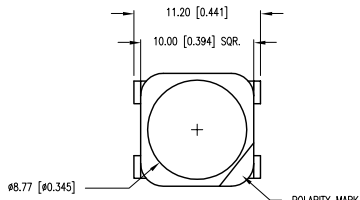
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)
[SML-LX1110SOC-ATR](#)

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

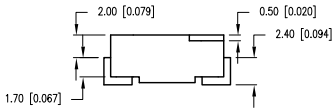
UNCONTROLLED DOCUMENT

PART NUMBER	SML-LX1110SOC-ATR	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
09.07.07	E.C.N. #11440.		A
01.14.11	E.C.N. #11688.		B

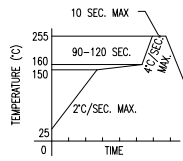


CAUTION: STATIC SENSITIVE DEVICE
 FOLLOW PROPER E.S.D. HANDLING PROCEDURES
 WHEN WORKING WITH THIS PART.

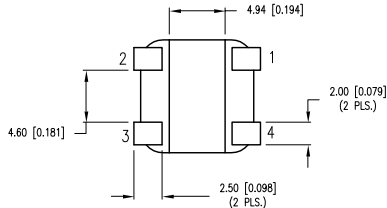
CAUTION: MOISTURE SENSITIVE DEVICE
 PER JEDEC LEVEL 6 STANDARDS



LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		620		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	
AXIAL INTENSITY		8.5		cd	$I_f=350\text{mA}$
LUMINOUS FLUX		27		lm	$I_f=350\text{mA}$
VIEWING ANGLE		120		$2x$ theta	
EMITTED COLOR:	ORANGE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

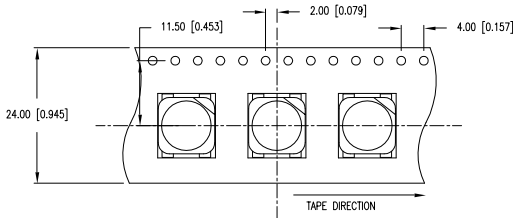
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	350	mA
POWER DISSIPATION	1.2	W
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

▲ THERMAL PARAMETERS

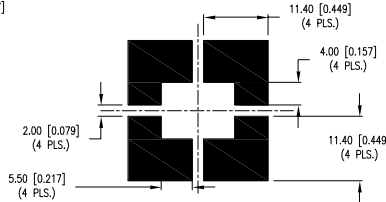
PARAMETER	VALUE	UNITS
MAXIMUM JUNCTION TEMPERATURE	110	°C
THERMAL RESISTANCE JUNCTION-CASE	60	°C/W

NOTES:

- 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} 0.00, MAX.=^{-DECIMAL PRECISION} 0.00 UNCONTROLLED DOCUMENT



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, 620nm SUPER ORANGE, WITH INTERNAL REFLECTIVE CAVITY.

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

CONFIDENTIAL INFORMATION
 THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL
 KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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