

Excellent Integrated System Limited

Stocking Distributor

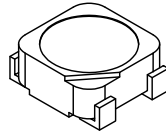
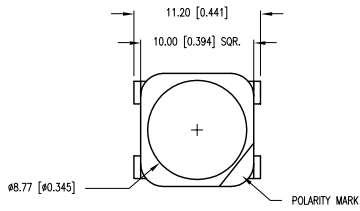
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)
[SML-LX1110SYC-ATR](#)

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

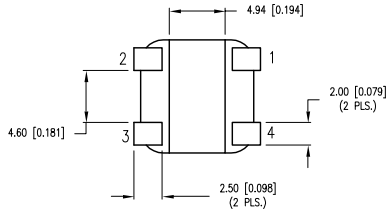
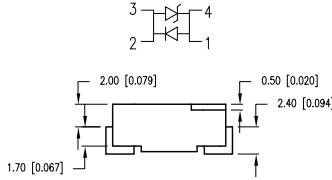
UNCONTROLLED DOCUMENT

PART NUMBER	SML-LX1110SYC-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

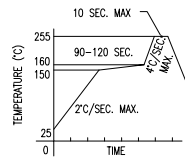


CAUTION: STATIC SENSITIVE DEVICE
 FOLLOW PROPER E.S.D. HANDLING PROCEDURES
 WHEN WORKING WITH THIS PART.

CAUTION: MOISTURE SENSITIVE DEVICE
 PER JEDEC LEVEL 6 STANDARDS



LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

[A] ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C I_f=350mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		594		nm	
FORWARD VOLTAGE		2.0	2.5	V _f	I _f =350mA
REVERSE VOLTAGE	5.0			V _r	
AXIAL INTENSITY		11		cd	I _f =350mA
LUMINOUS FLUX		32		lm	I _f =350mA
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

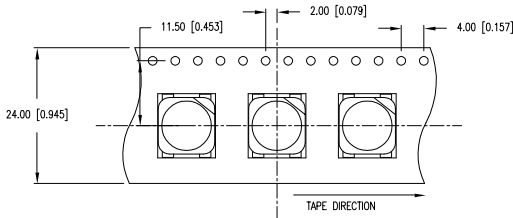
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	350	mA
POWER DISSIPATION	1.2	W
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

[A] THERMAL PARAMETERS

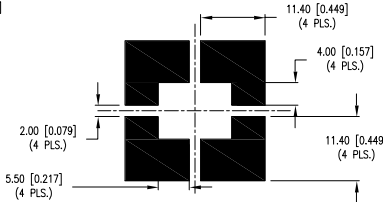
PARAMETER	VALUE	UNITS
MAXIMUM JUNCTION TEMPERATURE	110	°C
THERMAL RESISTANCE JUNCTION-CASE	80	°C/W

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.=^{+0.00}/_{-0.00} DECIMAL PRECISION MAX.=^{+0.00}/_{-0.00} DECIMAL PRECISION UNCONTROLLED DOCUMENT



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PLCC-4 SMT LED, HIGH POWER, 590nm SUPER YELLOW, 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]		