

Excellent Integrated System Limited

Stocking Distributor

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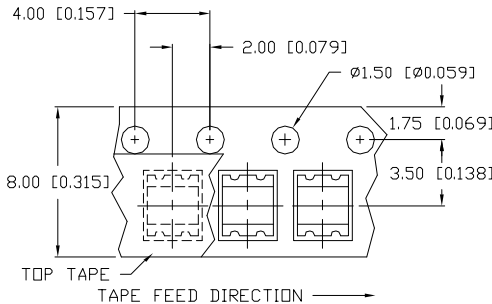
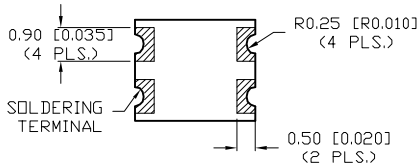
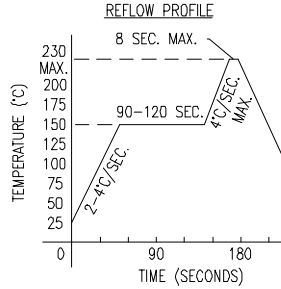
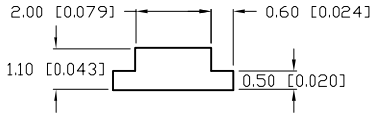
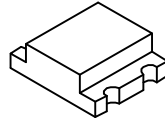
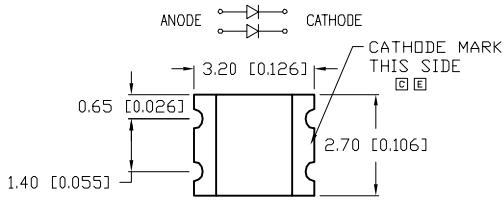
[Lumex, Inc.](#)

[SML-LX1210SRSRC-TR](#)

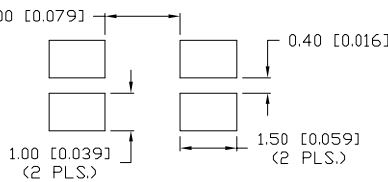
For any questions, you can email us directly:

sales@integrated-circuit.com

UNCONTROLLED DOCUMENT



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER		REV.
SML-LX1210SRSRC-TR		F
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ADDED TAPE W/POLARITY AND DIRECTION.	11.6.95
B	E.C.N. #10324.	3.17.97
C	E.C.N. #10404 & REDRAWN.	5.22.98
D	E.C.N. #10695	1.4.01
E	E.C.N. #10834.	1.25.02
F	E.C.N. #10972.	3.25.03

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	660			nm	
FORWARD VOLTAGE		1.7	2.2	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		15		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C

* $t < 10\mu\text{s}$

NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 4 STANDARDS

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*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

REV.	PART NUMBER
F	SML-LX1210SRSRC-TR
2.7mm x 3.2mm P.C.B. SURFACE MOUNT LED, DUAL 660nm SUPER RED CHIPS, WATER CLEAR LENS, TAPE AND REEL, 2,000 PIECES PER REEL.	

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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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CT			PAGE: 1 OF 1
			SCALE: N/A