

Excellent Integrated System Limited

Stocking Distributor

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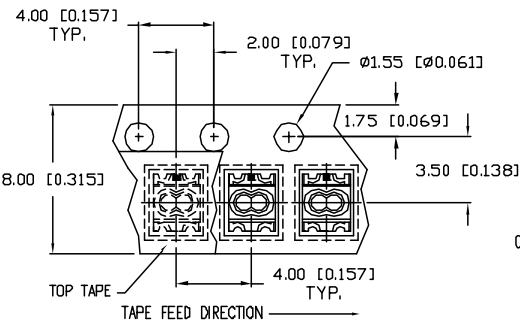
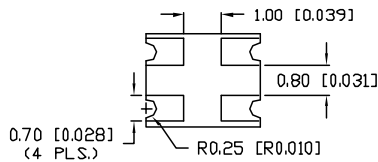
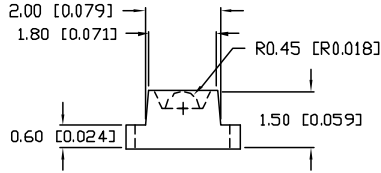
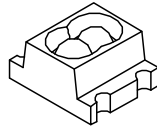
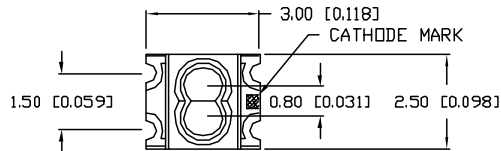
[Lumex, Inc.](#)

[SML-LXL1210SRGC-TR](#)

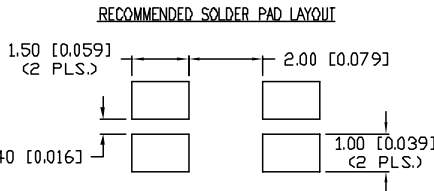
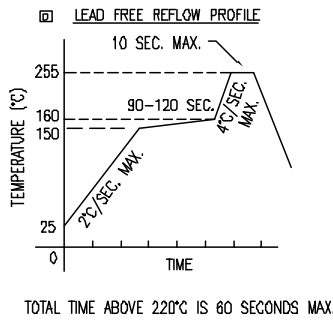
For any questions, you can email us directly:

sales@integrated-circuit.com

UNCONTROLLED DOCUMENT



TOP VIEW POLARITY
GREEN ANODE GREEN CATHODE
RED ANODE RED CATHODE



PART NUMBER		REV.
SML-LXL1210SRGC-TR		D
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10749.	5.31.01
B	E.C.N. #10784.	9.8.01
C	E.C.N. #10967.	3.14.03
D	E.C.N. #11148.	5.14.07

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED) 570 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		1.7/2.1	2.2/2.4	V_f	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			V_r	$I_f=20\text{mA}$
AXIAL INTENSITY (R/G)		35/20		mcd	
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

ⓐ LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		160	mA
STEADY CURRENT	(R/G)	25/30	mA
POWER DISSIPATION	(R/G)	60/100	mW
DERATE FROM 25°C		-1.0	mW/°C
OPERATING TEMP.		-40 TO +85	°C
STORAGE TEMP.		-40 TO +90	°C

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

NOTES:

1. THE POLARITY MARK 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 (±0.038), 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.=+0.00 DECIMAL PRECISION

REV.	PART NUMBER	CONFIDENTIAL INFORMATION	LUMEX	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
D	SML-LXL1210SRGC-TR	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIALLY 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. 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.		ⓐ
2.7mm x 3.0mm PCB, SURFACE MOUNT LED, SUPER RED/GREEN CHIPS, WATER CLEAR LENS, TAPE AND REEL		DRAWN BY: JC	CHECKED BY:	APPROVED BY:
		DATE: 11.6.00	PAGE: 1 OF 1	SCALE: N/A