

Excellent Integrated System Limited

Stocking Distributor

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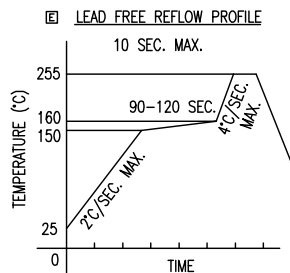
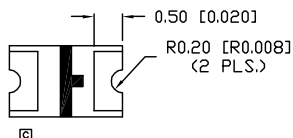
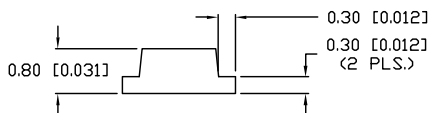
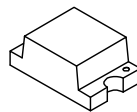
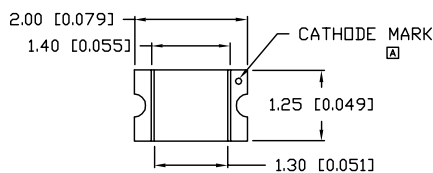
[Lumex, Inc.](#)

[SML-LXT0805YW-TR](#)

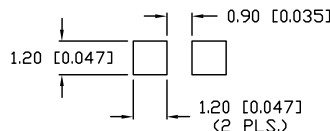
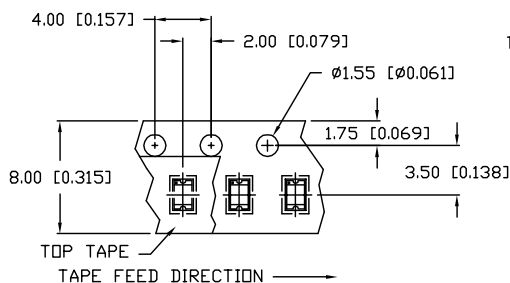
For any questions, you can email us directly:

sales@integrated-circuit.com

UNCONTROLLED DOCUMENT



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER			REV.
SML-LXT0805YW-TR			F
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE	
A	E.C.N. #10567.	12.8.99	
B	E.C.N. #10695.	1.8.01	
C	E.C.N. #10814.	2.25.02	
D	E.C.N. #10967.	3.22.04	
E	E.C.N. #11248.	8.12.05	
F	E.C.N. #11508.	09.30.09	

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	5.2	10		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		140		2θ	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	50	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +80	°C
STORAGE TEMP.	-30 TO +85	°C

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

NOTES:

- 4K PER REEL
- CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005).

LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030), MIN= -0.00, MAX= +0.00, DECIMAL PRECISION

REV.	PART NUMBER	CONFIDENTIAL INFORMATION	LUMEX			
F	SML-LXT0805YW-TR	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.	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw			
2.0mm x 1.25mm THIN PCB SURFACE MOUNT, 585nm YELLOW LED, MILKY WHITE DIFFUSED LENS, TAPE AND REEL.			DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 2.17.99 PAGE: 1 OF 1 SCALE: N/A
			CT			

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.