

Excellent Integrated System Limited

Stocking Distributor

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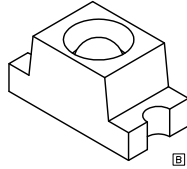
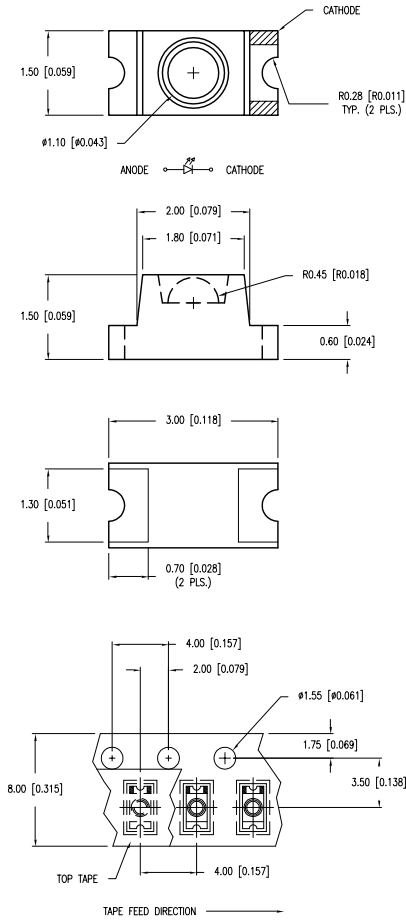
[Lumex, Inc.](#)

[SML-LXL1206SYC-TR](#)

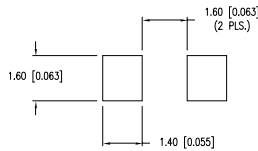
For any questions, you can email us directly:

sales@integrated-circuit.com

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RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	SML-LXL1206SYC-TR	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.30.98	E.C.N. #108BDR. & REDRAWN.		A
01.08.01	E.C.N. #10695.		B
03.14.03	E.C.N. #10967.		C
03.17.05	E.C.N. #11148.		D
05.26.10	E.C.N. #11508.		E
10.12.10	E.C.N. #11665.		F

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$				
PARAMETER	MIN	TYP	MAX	UNITS
PEAK WAVELENGTH		590		nm
FORWARD VOLTAGE		2.0	2.5	V _f
REVERSE VOLTAGE	5.0			V _r
AXIAL INTENSITY		75		mod
VIEWING ANGLE		60		2x theta
EMITTED COLOR:	YELLOW			
EPOXY LENS FINISH:	WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-30 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

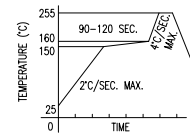
* t<10μs

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

NOTES:

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

(D) LEAD FREE REFLOW PROFILE
10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

*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= $\frac{+}{-}$ DECIMAL PRECISION MAX= $\frac{+}{-}$ DECIMAL PRECISION

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3.0mm x 1.6mm PCB SML WITH LENS, 590nm SUPER YELLOW LED, WATER CLEAR LENS, TAPE AND REEL.

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

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