

Excellent Integrated System Limited

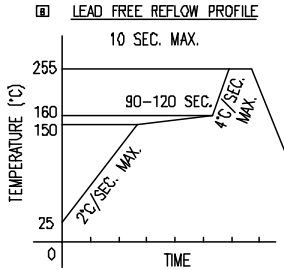
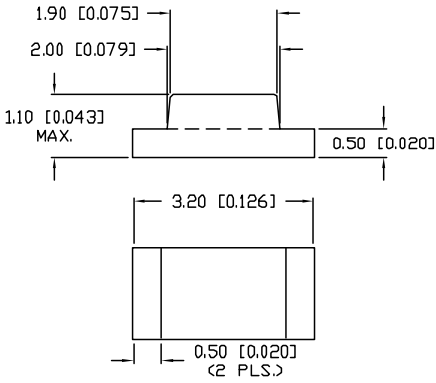
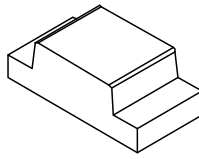
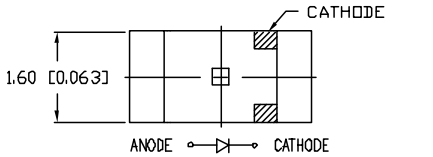
Stocking Distributor

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

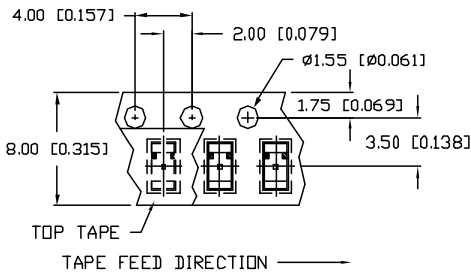
[Lumex, Inc.](#)
[SML-LXF1206UPGCTR](#)

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

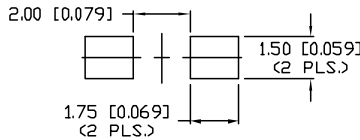
UNCONTROLLED DOCUMENT



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER
SML-LXF1206UPGC-TR

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10967.	3.14.03
B	E.C.N. #11148.	2.16.05

ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		525		nm	
FORWARD VOLTAGE		3.5	4.0	V _f	
REVERSE VOLTAGE	5.0			V _r	I _f =100µA
AXIAL INTENSITY		45		mcd	I _f =20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	GREEN				
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

NOTES:

- THE CATHODE 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 (±0.039), X,X=±0.5 (±0.020), X,XI=±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 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.	PART NUMBER
B	SML-LXF1206UPGC-TR

3.2mm x 1.6mm SURFACE MOUNT LED,
 525nm ULTRA PURE GREEN LED,
 WATER CLEAR LENS, TAPE AND 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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