

## Excellent Integrated System Limited

Stocking Distributor

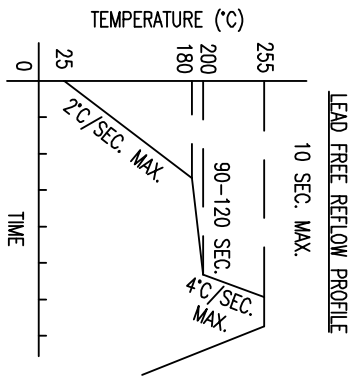
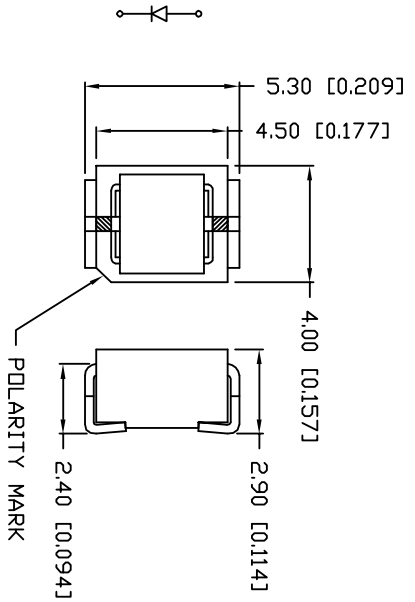
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)

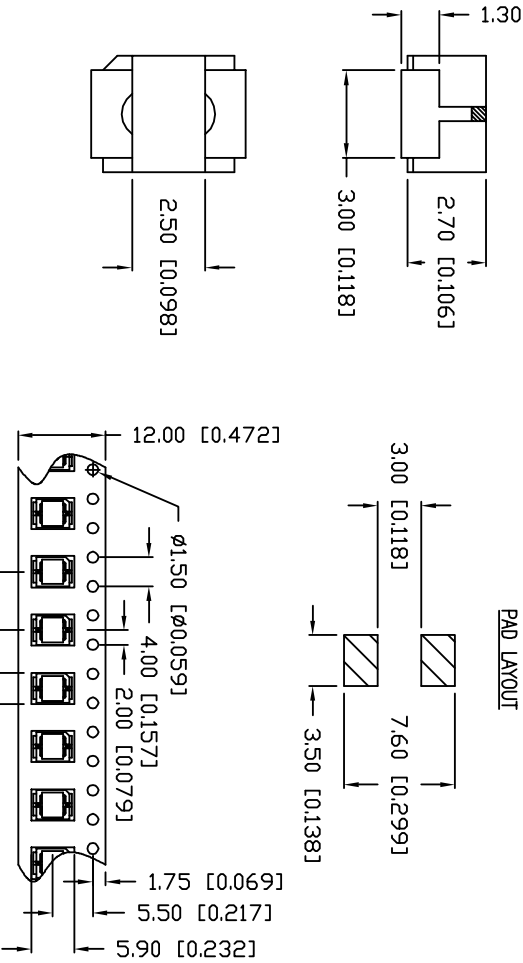
[SML-LXIL1618UPGC-TR](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			528		nm	
FORWARD VOLTAGE	V <sub>f</sub>		3.0	3.5	V	If=20mA
REVERSE VOLTAGE	V <sub>r</sub>		5		V	If=10µA
AXIAL INTENSITY	I <sub>v</sub>		25000		mcd	If=20mA
VIEWING ANGLE			14		2x theta	
EMITTED COLOR:			GREEN			
EPOXY LENS FINISH:			WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT*	I <sub>p</sub>	100	mA
STEADY CURRENT	I <sub>f</sub>	30	mA
POWER DISSIPATION	P <sub>D</sub>	120	mW
OPERATING TEMP.	T <sub>OPR</sub>	-30 TO +85	°C
STORAGE TEMP.	T <sub>STG</sub>	-30 TO +90	°C

\*DUTY 1/10 PULSE WIDTH 10ms

NOTES:  
 CATHODE IS ORIENTED TOWARDS THE TAPE SPOCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE  
 PER JEDEC LEVEL 4 STANDARDS



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=#1 (+0.039), X-X#40.5 (+0.020), X-XX#40.25 (+0.010), X-XXX#40.127 (+0.005), LEAD SIZE#40.05 (+0.002), LEAD LENGTH#40.75 (+0.030), MIN#40.00, MAX#40.00, DECIMAL PRECISION

PART NUMBER

SML-LXIL1618UPGC-TR

NARROW BEAM 4mm SMT LED,  
 528nm GREEN LED, WATER CLEAR LENS.

CONFIDENTIAL INFORMATION

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.

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.

UNCONTROLLED DOCUMENT



290 E. HELEN ROAD  
 PALATINE, IL 60067-6976  
 PHONE: +1.847.359.2790  
 US WEB: www.lumex.com  
 TW WEB: www.lumex.com.tw

DRAWN BY: JUN  
 CHECKED BY:  
 APPROVED BY:  
 DATE: 03.18.09  
 PAGE: 1 OF 1  
 SCALE: N/A