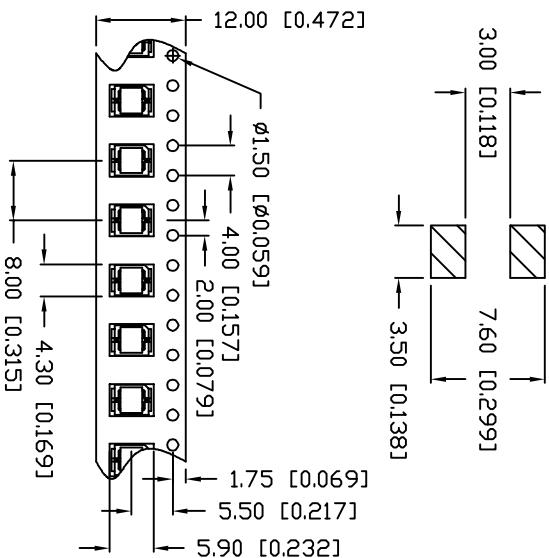


TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

PAD LAYOUT



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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			589		nm	
FORWARD VOLTAGE	V <sub>f</sub>		2.2	2.5	V	If=20mA
REVERSE VOLTAGE	V <sub>r</sub>	5			V	If=10µA
AXIAL INTENSITY	I <sub>v</sub>		25000		md	If=20mA
VIEWING ANGLE			12		2x theta	
EMITTED COLOR:	YELLOW					
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	W
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=#0.5 (+0.020), X.XX=#0.25 (+0.010), X.XXX=#0.127 (+0.005).

PART NUMBER

SML-LXL1618SYC-TR

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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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LEAD SIZE=#0.05 (+0.002), LEAD LENGTH=#0.75 (+0.030), MIN=-0.00

MAX=+0.00 DECIMAL PRECISION

UNCONTROLLED DOCUMENT

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

NARROW BEAM 4mm SMT LED,  
 589nm YELLOW LED, WATER CLEAR LENS.

REV.