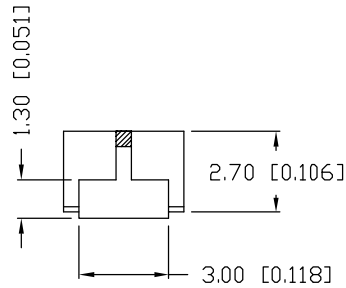
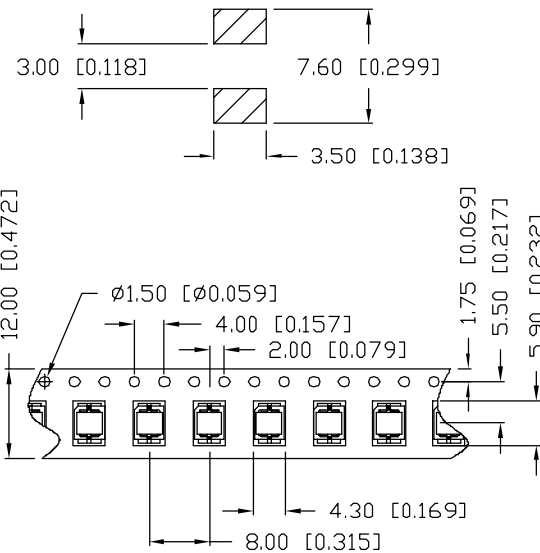


TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



PAD LAYOUT



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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			625		nm	
FORWARD VOLTAGE	V_f		2.2	2.5	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY	I_v		15000		mcd	$I_f=20\text{mA}$
VIEWING ANGLE			16		2x theta	
EMITTED COLOR:	RED					
EPOXY LENS FINISH:	WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT*	I_P	100	mA
STEADY CURRENT	I_F	30	mA
POWER DISSIPATION	P_D	130	W
OPERATING TEMP.	T_{OPR}	-20 TO +85	°C
STORAGE TEMP.	T_{STG}	-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). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SML-LXIL1618SIC-TR

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NARROW BEAM 4mm SMT LED,
625nm RED LED, WATER CLEAR LENS.

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.

DRAWN BY: CHECKED BY: APPROVED BY: DATE: 01.28.09

JN

PAGE: 1 OF 1
SCALE: N/A