

SML-LX0606SISUGCTR

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #111148	5.29.07
B	E.C.N. #11508.	03.05.09
C	E.C.N. #11581.	12.21.09

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636 (RED)		nm	
FORWARD VOLTAGE (R/G)		574 (GREEN)		nm	
REVERSE VOLTAGE		2.0/3.5	2.6/4.0	Vf	If=100µA
AXIAL INTENSITY (R/G)		5.0		Vr	If=20mA
VIEWING ANGLE		150/30		mcd	
EMITTED COLOR:		120		2x theta	
EPOXY LENS FINISH:		RED/GREEN			
		WATER CLEAR			

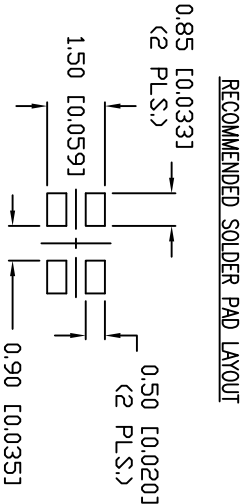
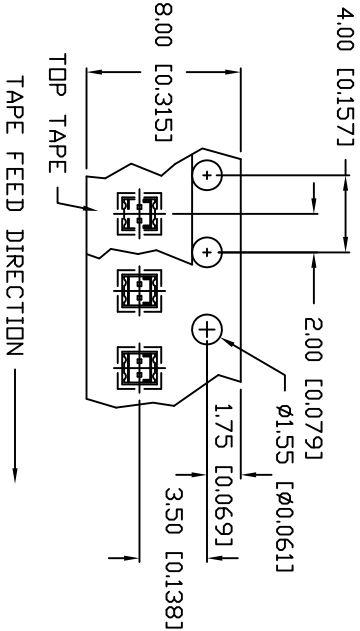
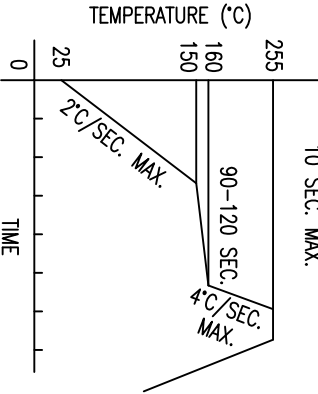
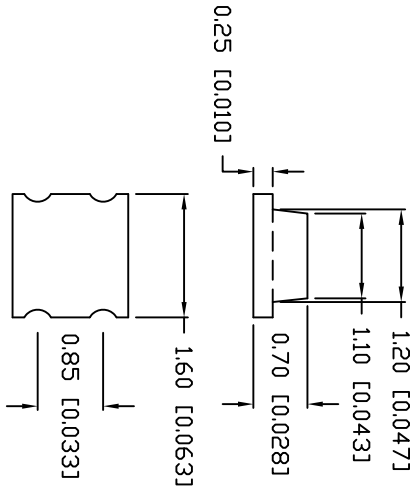
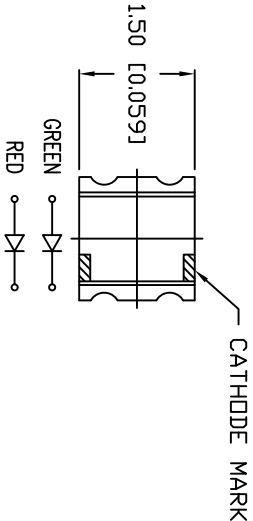
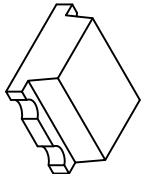
LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	COLORS	MAX
PEAK FORWARD CURRENT*		160
STEADY CURRENT	(R/G)	30/25
POWER DISSIPATION		100
DERATE FROM 25°C		-1.2
OPERATING TEMP.		- 40 TO + 85
STORAGE TEMP.		- 40 TO + 85

* t<10µS

NOTES:

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 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= -0.00

REV.

PART NUMBER

SML-LX0606SISUGCTR

1.6mm x 1.5mm ULTRA THIN SURFACE MOUNT LED,
636nm AllInGaP RED/525nm InGaN GREEN BICOLOR 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.

PARTWORK\Lumex_logos\Color_Logo_Drvy.bmp

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JN			6.7.03
			PAGE: 1 OF 1
			SCALE: N/A