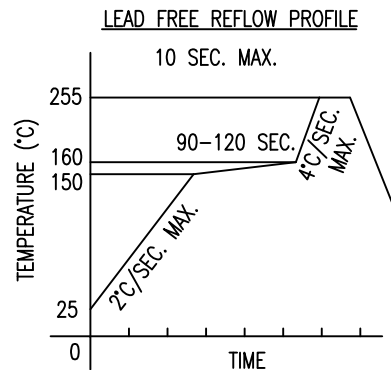
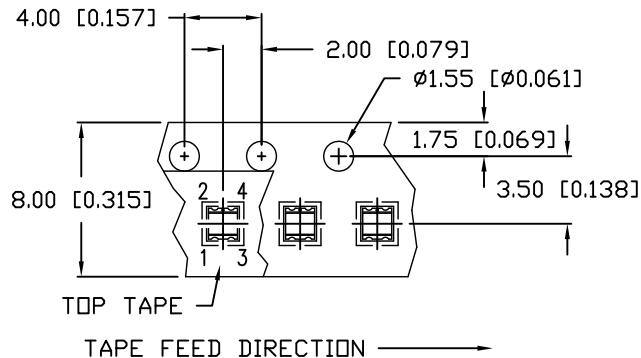
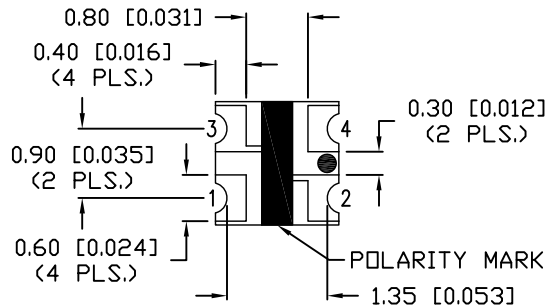
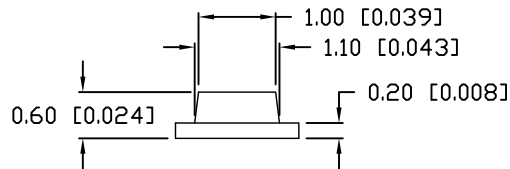
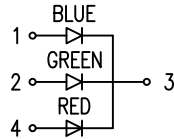
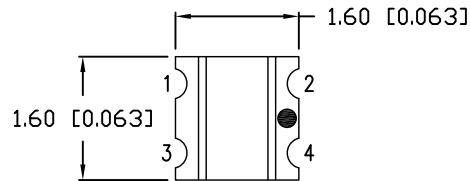


PART NUMBER
SML-LX0606SIUPGUB2

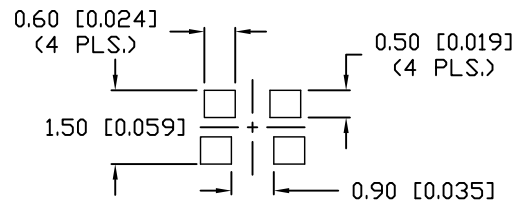
REV.
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REV. E.C.N. NUMBER AND REVISION COMMENTS DATE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=5\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636(RED)		nm	
		525(GREEN)		nm	
		470(BLUE)		nm	
FORWARD VOLTAGE (R)	1.7	2.0	2.5	V_f	
(G)	2.8	3.2	3.7	V_f	
(B)	2.8	3.3	3.7	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=10\mu\text{A}$
AXIAL INTENSITY (R/G/B)	200/400/63	630/1250/200mcd			$I_f=20\text{mA}$
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	RED/GREEN/BLUE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		125	mA
STEADY CURRENT		30	mA
POWER DISSIPATION (R/G/B)		75/110/110	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C

* $t < 10\mu\text{s}$

NOTES:

1. THE ANODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 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-LX0606SIUPGUB2

1.6mm x 1.5mm ULTRA THIN SURFACE MOUNT LED,
AlInGaP RED/InGaP GREEN/InGaP BLUE FULL COLOR 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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DRAWN BY: JUN CHECKED BY: DT APPROVED BY: DT DATE: 5.5.04
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SCALE: N/A