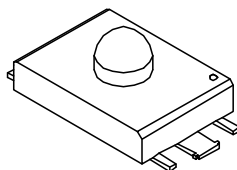
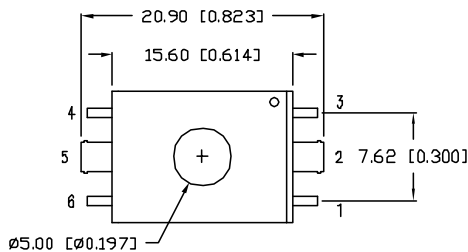
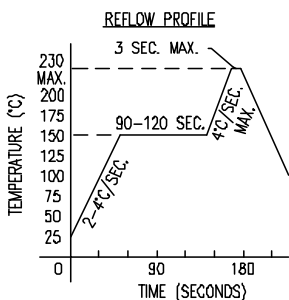
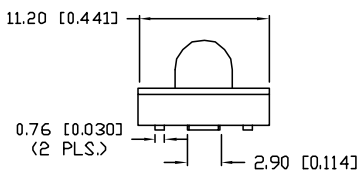
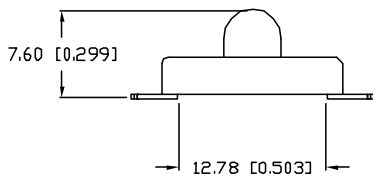


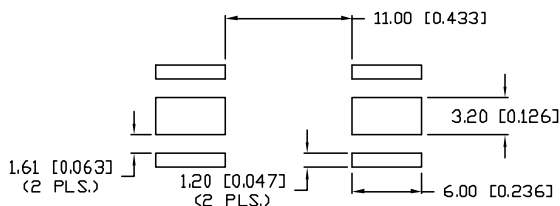
UNCONTROLLED DOCUMENT



6 \rightarrow 2.5 \square \square



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER		REV.
SSP-LX6144A6UC		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11073.	12.31.03
B	E.C.N. #11102.	2.27.04

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=120\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		626		nm	
FORWARD VOLTAGE		2.4	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		24		cd	$I_f=120\text{mA}$
TOTAL FLUX		2.5		Lm	$I_f=120\text{mA}$
VIEWING ANGLE		10		$2x$ theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	250	mA
STEADY CURRENT	120	mA
POWER DISSIPATION	320	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-20 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-35 TO +85	$^\circ\text{C}$

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

NOTES:

1. PARTS ARE PACKAGED IN ANTI-STATIC TUBES.

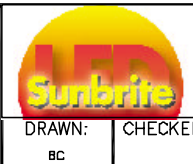
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION MAX= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
B	SSP-LX6144A6UC
10° NARROW VIEWING LuxLED, TM 626nm RED, WATER CLEAR LENS.	

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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: BC	CHECKED:
APPROVED:	DATE: 7.18.03 PAGE: 1 OF 1