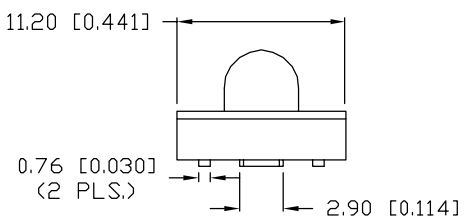
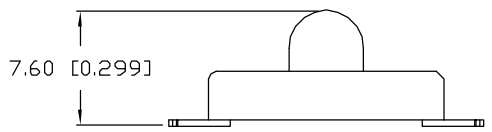
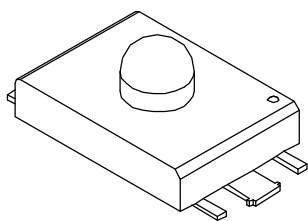
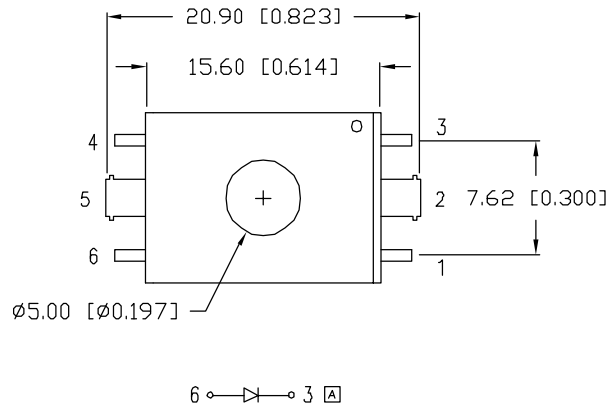


PART NUMBER		REV.
SSP-LX6144A2UPC		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11073.	12.31.03



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=120\text{mA}$

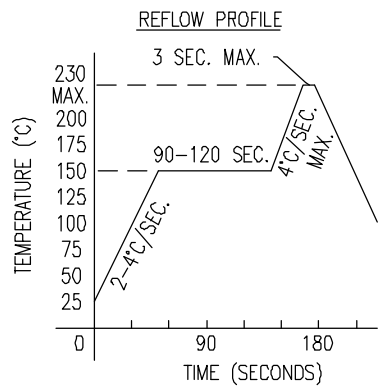
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		525		nm	
FORWARD VOLTAGE		3.4	4.0	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		16		cd	$I_f=120\text{mA}$
TOTAL FLUX		2.5		Lm	$I_f=120\text{mA}$
VIEWING ANGLE		10		2x theta	

EMITTED COLOR: GREEN  
EPOXY LENS FINISH: WATER CLEAR

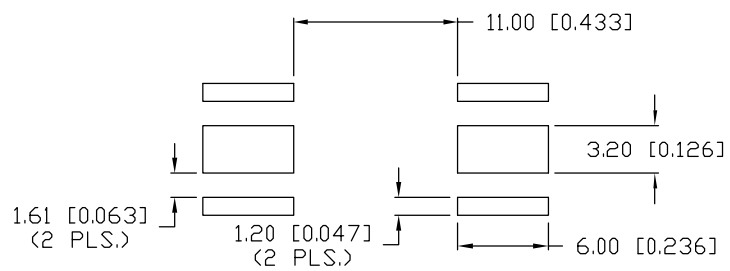
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	250	mA
STEADY CURRENT	120	mA
POWER DISSIPATION	420	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-20 TO +80	°C
STORAGE TEMP.	-35 TO +85	°C

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



RECOMMENDED SOLDER PAD LAYOUT



NOTES:

1. PARTS ARE PACKAGED IN ANTI-STATIC TUBES.

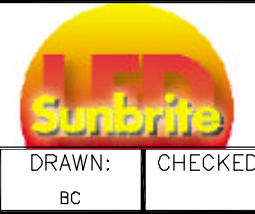
CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

\*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= <sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION MAX= <sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION

REV.	PART NUMBER
A	SSP-LX6144A2UPC
10° NARROW VIEWING LUXLED, 525nm GREEN, WATER CLEAR LENS.	

CONFIDENTIAL INFORMATION  
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF SUNBRITE LEDS. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY SUNBRITE LEDS, THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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.



286 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.348.3116 FAX: +1.847.359.2867 WEB: www.sunbriteleds.com	
DRAWN:	CHECKED:
APPROVED:	DATE: 7.18.03
BC	PAGE: 1 OF 1