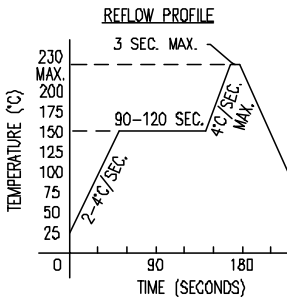
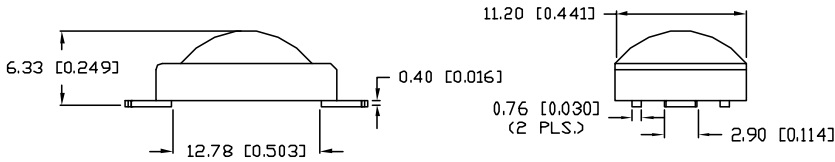
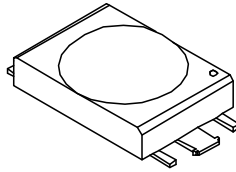
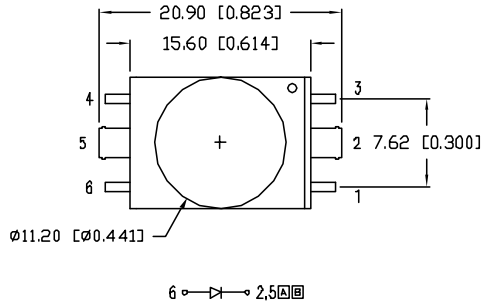
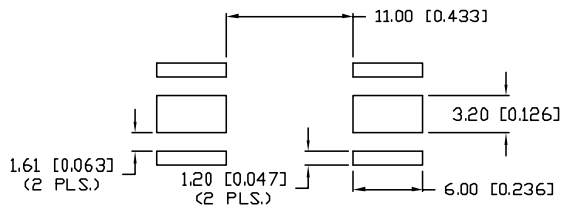


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RECOMMENDED SOLDER PAD LAYOUT



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

PART NUMBER		REV.
SSP-LX6144D6UC		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 <sub>A</sub> =25°C I <sub>f</sub> =120mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		626		nm	
FORWARD VOLTAGE		2.4	2.8	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>f</sub> =100µA
AXIAL INTENSITY		3.2		cd	I <sub>f</sub> =120mA
TOTAL FLUX		2.5		Lm	I <sub>f</sub> =120mA
VIEWING ANGLE		100		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/°C
OPERATING TEMP.	-20 TO +80	°C
STORAGE TEMP.	-35 TO +85	°C

\* t < 10µS

NOTES:  
1. PARTS ARE PACKAGED IN ANTI-STATIC TUBES.

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
B	SSP-LX6144D6UC
LOW PROFILE SMT, 100° VIEWING LuxLED,™ 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