

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		626		nm	
FORWARD VOLTAGE		2.4	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		3.2		cd	$I_f=120\text{mA}$
TOTAL FLUX		2.5		Lm	$I_f=120\text{mA}$
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/ $^{\circ}\text{C}$
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 (±0.039), 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= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION MAX= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION

REV.

A

PART NUMBER

SSP-LX6144D6UC

LOW PROFILE SMT, 100° VIEWING LUXLED,
626nm RED, WATER CLEAR LENS.

CONFIDENTIAL INFORMATION

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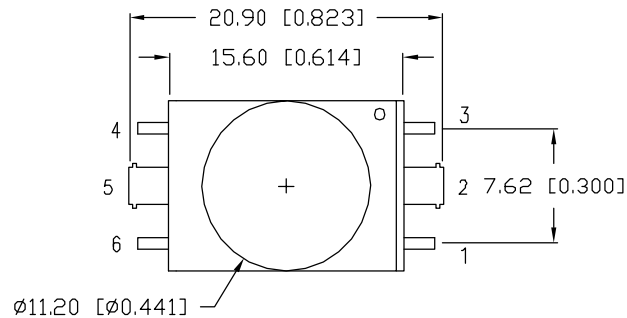
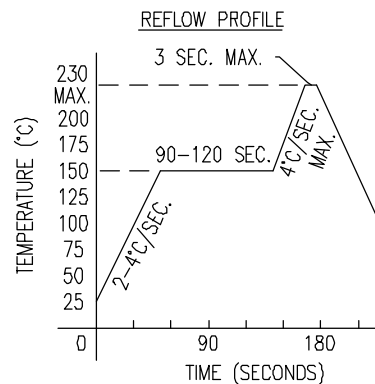
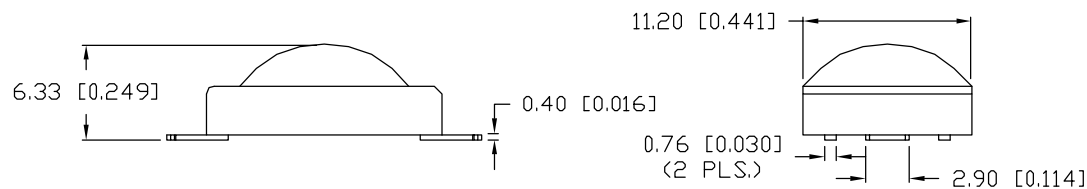
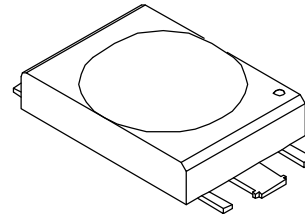
RELIABILITY NOTE

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.

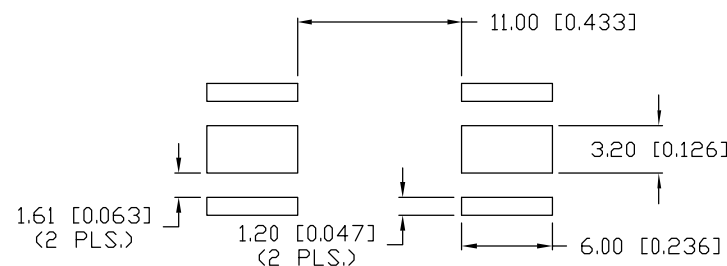
DRAWN:
BC

CHECKED:

APPROVED:

DATE: 7.18.03
PAGE: 1 OF 16 $\rightarrow$ $\rightarrow$ 3 A

RECOMMENDED SOLDER PAD LAYOUT



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[SSP-LX6144D6UC](#)