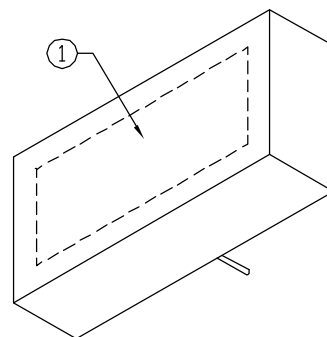
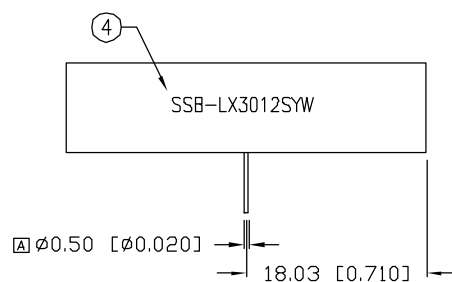
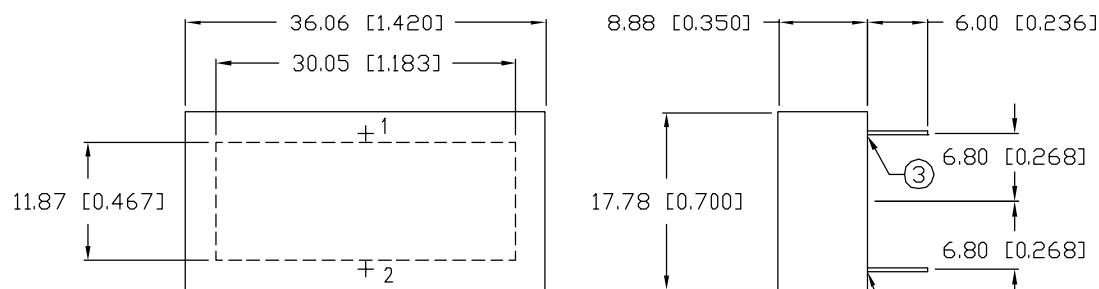
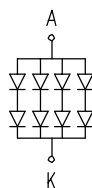


UNCONTROLLED DOCUMENT



PIN OUT



NOTES:

1. DIFFUSER TAPE TO BE PROTECTED WITH A PROTECTIVE FILM.
2. STAMPED "K" ON PCB TO INDICATE CATHODE.
3. STAMPED "A" ON PCB TO INDICATE ANODE.
4. LUMEX PIN, DATE CODE, AND BIN CODE ARE STAMPED ON SIDE OF PART.
5. LED CHIPS ARE SORTED FOR UNIFORM INTENSITY AND COLOR.
6. PROTECTIVE FILM IS MARKED WITH A BLACK DOT

*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

PART NUMBER
SSB-LX3012SYW

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10922.	10.29.02
B	E.C.N. #11091.	2.6.04

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=40\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		3.8	4.2	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		880		cd/m^2	$I_f=40\text{mA}$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	YELLOW/AMBER				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	40	mA
POWER DISSIPATION	150	mW
DERATE FROM 25°C	-1.0	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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B

PART NUMBER
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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.



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30mm x 12mm RECTANGULAR LIGHT BAR,
590nm YELLOW LED CHIPS, MILKY WHITE DIFFUSED.

DRAWN BY: CT	CHECKED BY:	APPROVED BY:	DATE: 9.17.02
			PAGE: 1 OF 1
			SCALE: N/A