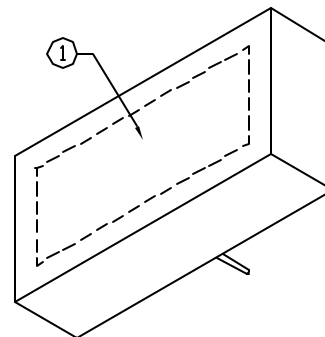
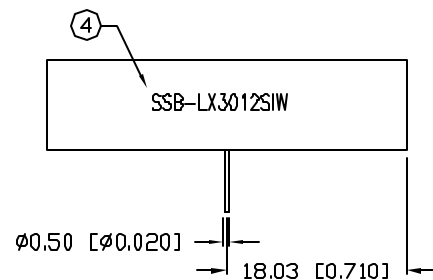
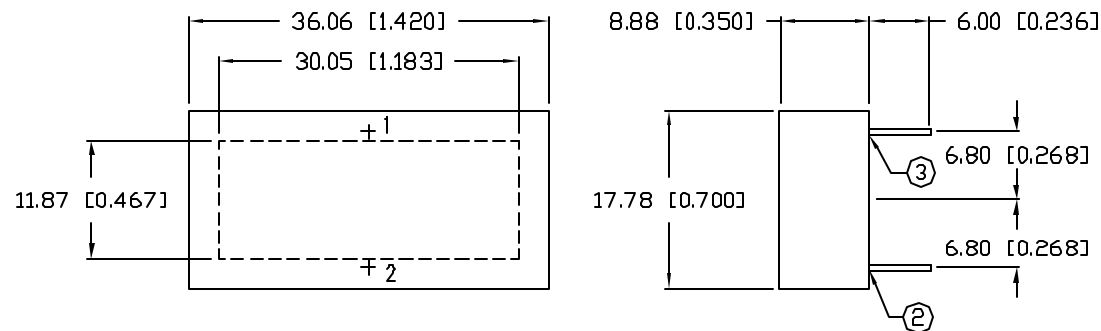


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=40\text{mA}$

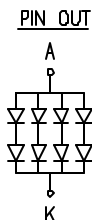
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		630		nm	
FORWARD VOLTAGE		3.8	4.2	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		500		cd/m^2	$I_f=40\text{mA}$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
STEADY CURRENT	80	mA
POWER DISSIPATION	336	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

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.= -0.00, MAX.= +0.00

REV.

PART NUMBER

SSB-LX3012SIW

30mm x 12mm RECTANGULAR LIGHT BAR,
630nm RED LED CHIPS, MILKY WHITE DIFFUSED.

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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PAGE: 1 OF 1

SCALE: N/A