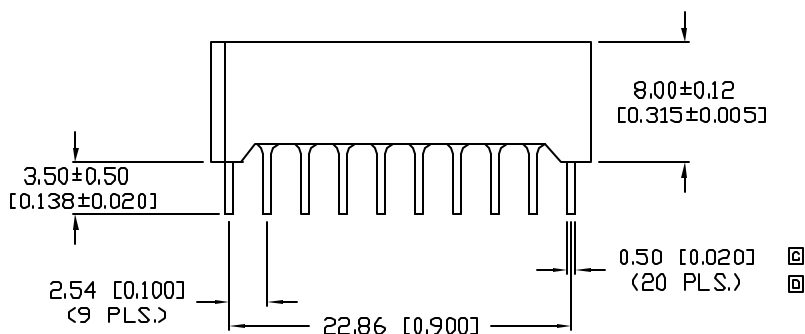
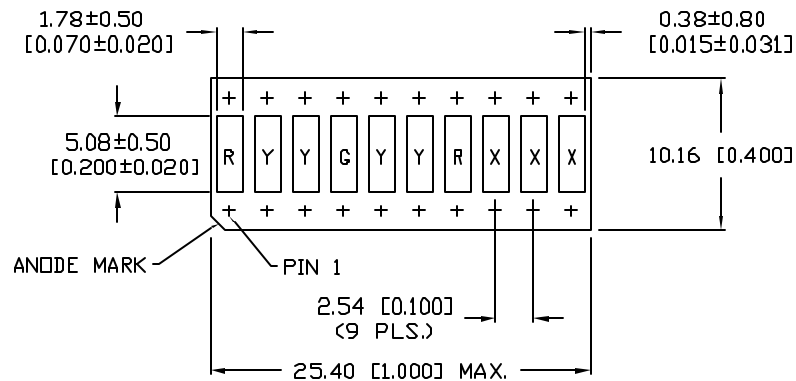
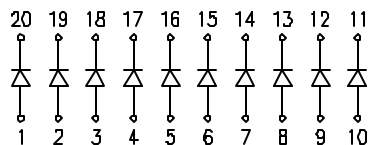


UNCONTROLLED DOCUMENT



TOP VIEW



NOTES:

1. R=RED, Y=YELLOW, G=GREEN, AND X=NO LED.

*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/-0.00, MAX.=+0.00/-0.00

PART NUMBER
SSA-LXB10-24228REV.
E

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D FACE COLOR TO BLACK./	6.24.94
B	CHG'D SOLDER SPECS./	8-15-94
C	E.C.N. #10477 & #10BRDR. & REDRAWN./	11-13-98
D	E.C.N. #10531. CHG'D TO FLAT PINS.	7-1-99
E	E.C.N. #11148	5.23.07

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	RED	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	635	585	565	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.1	2.2	nm	
FORWARD VOLTAGE (MAX.)	2.5	2.5	2.6	V _f	
REVERSE VOLTAGE	5.0	5.0	5.0	V _r	$I_f=100\mu\text{A}$
AXIAL INTENSITY	10	10	10	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	160	160	160	2x theta	
LED POSITION:	1,7	2,3,5,6	4		
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				
FACE COLOR:	BLACK				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	{R/Y/G}	30/30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.6	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	

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

UNCONTROLLED DOCUMENT

REV.
EPART NUMBER
SSA-LXB10-24228

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., 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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

10 SEGMENT BAR GRAPH, POS. 1&7 RED, POS. 4 GREEN,
POS. 2,3,5&6 YELLOW, MILKY WHITE DIFFUSED EPOXY.

DRAWN BY: JN	CHECKED BY:	APPROVED BY:	DATE: 5.19.07
			PAGE: 1 OF 1
			SCALE: N/A