

UNCONTROLLED DOCUMENT

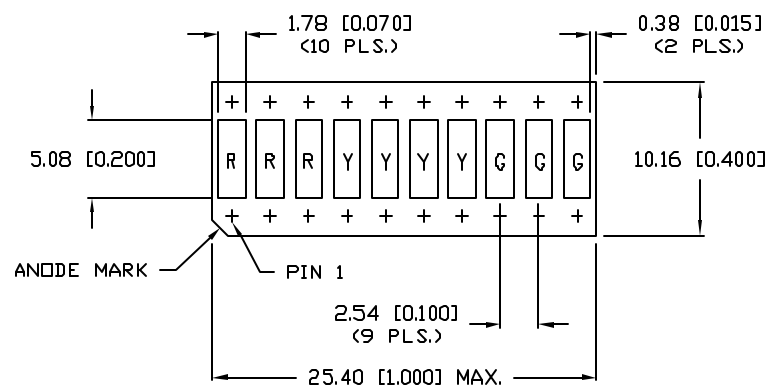
PART NUMBER

REV.

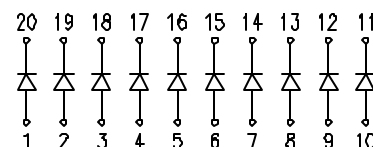
SSA-LXB10SI3SY4SU3

REV.	E.C.N. NUMBER AND REVISION COMMENTS
------	-------------------------------------

DATE _____



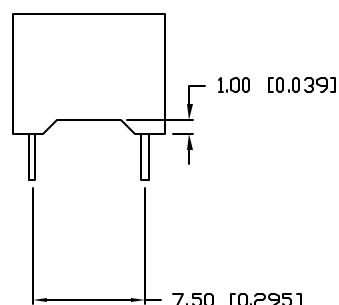
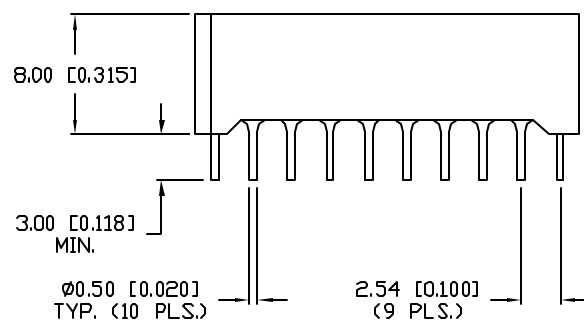
TOP VIEW



NOTES:

1. R=RED, Y=YELLOW AND G=GREEN.

ELECTRO-OPTICAL CHARACTERISTICS T _A =25°C				I _f =20mA	
PARAMETER	RED	YELLOW	GREEN	UNITS	TEST COND.
PEAK WAVELENGTH	636	590	574	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 _r =100μA
AXIAL INTENSITY	30	30	30	mcd	I _f =20mA
VIEWING ANGLE	160	160	160	2x theta	
LED POSITION:	1~3	4~7	8~10		
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/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

* $t < 10 \mu s$ 

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

REV.

PART NUMBER

SSA-LXB10SI3SY4SU3

10 SEGMENT BAR GRAPH, RED IN 3 POS., YEL. IN 4 POS.,
GREEN IN 3 POS., BLACK FACE, MILKY WHITE DIFFUSED EPOXY.

CONFIDENTIAL INFORMATION

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.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
PHONE: 1-847-359-2790
WEB: [HTTP://WWW.LUMEX.COM](http://www.lumex.com)

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 11.10.06

PAGE: 1 OF 1

SCALE: N/A

JC