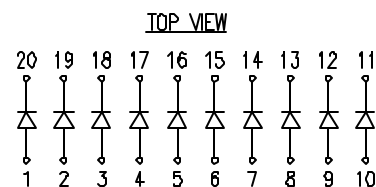
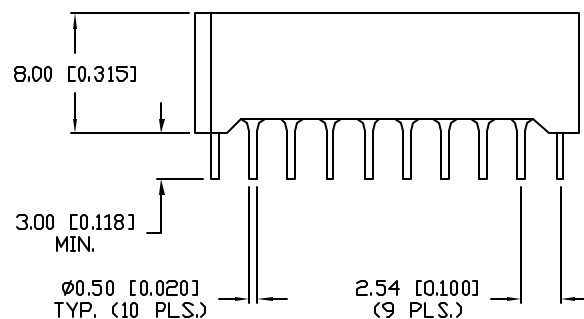
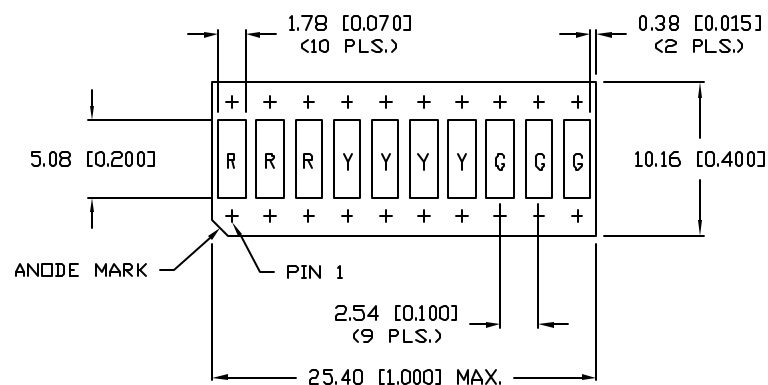
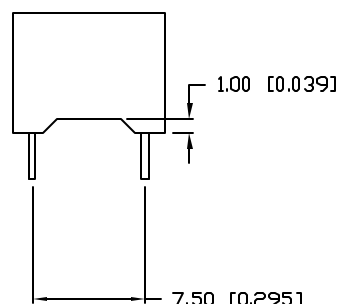


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NOTES:

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



PART NUMBER		REV.
SSA-LXB10I3Y4G3WGF		
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10477 & #10BRDR. & REDRAWN./	5-13-99

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 <sub>f</sub>	
REVERSE VOLTAGE	5.0	5.0	5.0	V <sub>r</sub>	$I_r=100\mu\text{A}$
AXIAL INTENSITY	8	8	8	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	160	160	160	2x theta	
LED POSITION:	1~3	4~7	8~10		
EPOXY LENS FINISH: MILKY WHITE DIFFUSED					
FACE COLOR: GRAY					

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

\*  $t < 10 \mu s$

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

REV.	PART NUMBER
	SSA-LXB10I3Y4G3WGF

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

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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.

**LUMEX**  
INCORPORATED

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JD			SCALE: N/A

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