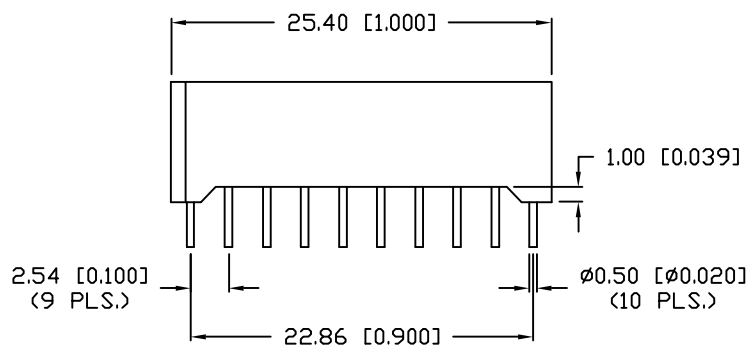
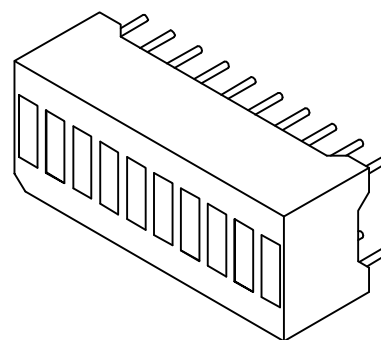
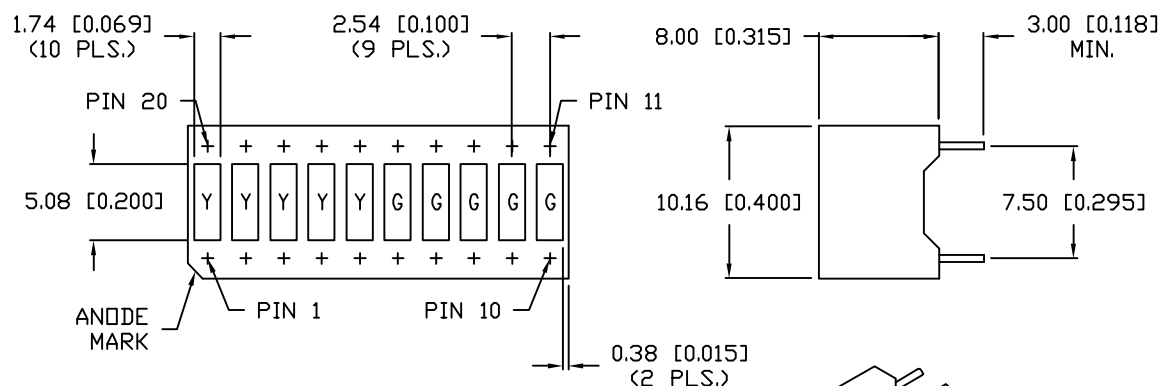


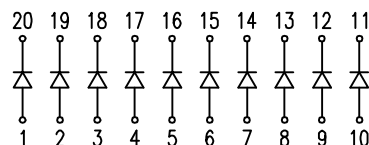
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PART NUMBER
SSA-LXB10SY5UPG5W

REV.



TOP VIEW POLARITY



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$		$I_f=20\text{mA}$		
PARAMETER	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	590	525	nm	
FORWARD VOLTAGE (TYP.)	2.0	3.5	nm	
FORWARD VOLTAGE (MAX.)	2.5	4.0	V_f	
REVERSE VOLTAGE	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	80	50	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	160	160	2x theta	
LED POSITION:	1~5	6~10		
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	(Y/G)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

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

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



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*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

REV.

PART NUMBER

SSA-LXB10SY5UPG5W

10 SEGMENT RECTANGULAR BAR GRAPH,
5 YELLOW, 5 GREEN, MILKY WHITE DIFFUSED.

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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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DATE: 10.27.09

PAGE: 1 OF 1

SCALE: