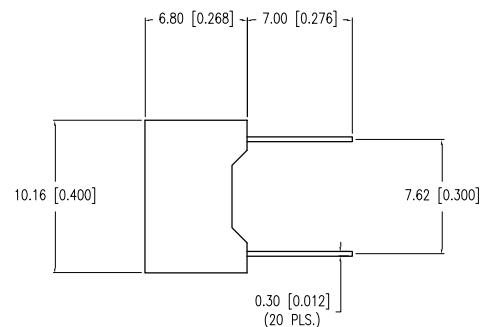
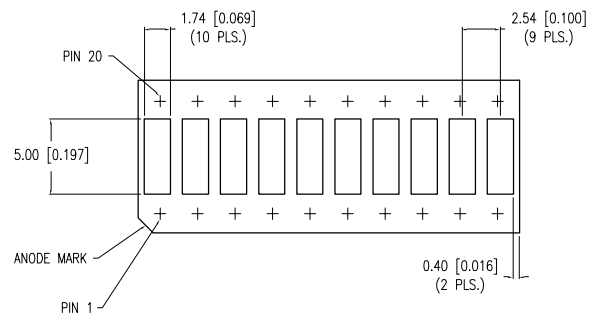


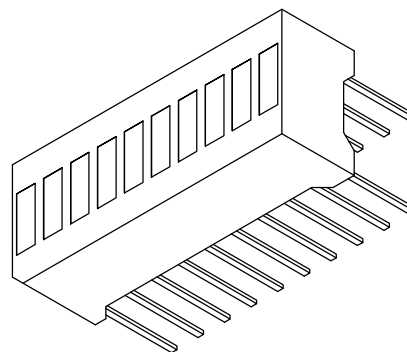
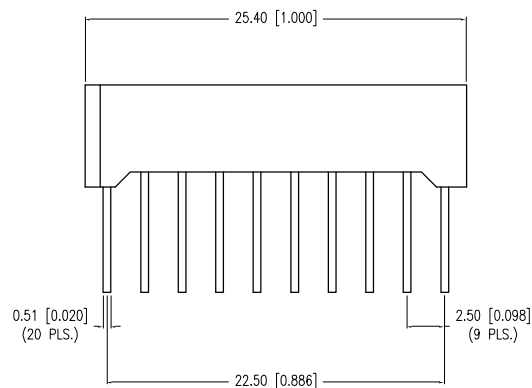
PART NUMBER	SSA-LXB10HW-GF/LP	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
08.15.94	CHG'D SAFE OPER. SPECS.		A
08.30.94	CHG'D REFLECTOR HIEGHT.		B
05.12.99	E.C.N. #10BRDR. & REDRAWN.		C
11.08.00	E.C.N. #10676.		D
05.23.07	E.C.N. #11148.		E
08.22.08	E.C.N. #11525.		F



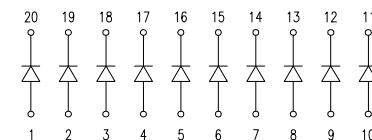
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		700		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		500		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		160		$2\times\theta$	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				
FACE COLOR:	GRAY				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	- 1.2	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

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

TOP VIEW



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $x=\pm 1$ (± 0.039), $x.x=\pm 0.5$ (± 0.020), $x.xx=\pm 0.25$ (± 0.010), $x.xxx=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

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10 SEGMENTS BAR GRAPH, 700nm RED CHIPS, LOW PORFILE, GRAY FACE WITH WHITE SEGMENTS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE: 10.07.91	DRAWN BY: JN
PAGE: 1 OF 1	CHKD BY: KF
SCALE: N/A	APRVD BY: SS
UNIT: mm [INCH]	

UNCONTROLLED DOCUMENT