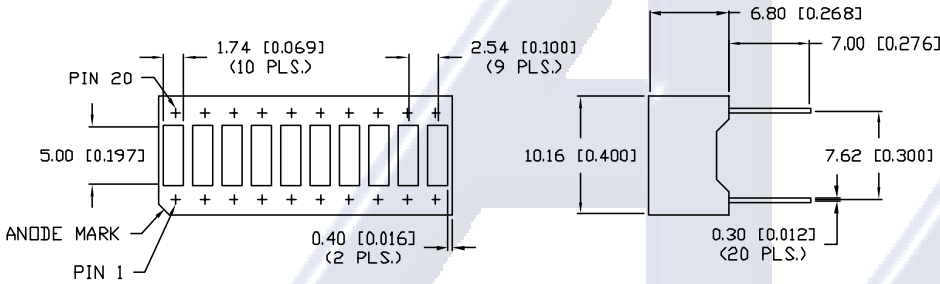


UNCONTROLLED DOCUMENT

PART NUMBER  
SSA-LXB10IW-GF/LP

REV.  
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D SAFE OPER. SPECS.	8.15.94
B	E.C.N. #10BRDR. & REDRAWN.	5.12.99
C	E.C.N. #10676.	11.8.00



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

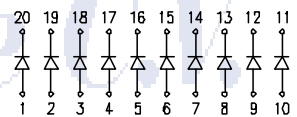
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f=100\mu A$
AXIAL INTENSITY		8		mcd	$I_f=20mA$
VIEWING ANGLE		160		$2x$ theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				
FACE COLOR:	GRAY				

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/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3 SEC. MAX	

\*  $t < 10\mu s$

TOP VIEW



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION -0.00, MAX.=+0.00 -DECIMAL PRECISION

REV. C	PART NUMBER SSA-LXB10IW-GF/LP	<p><b>CONFIDENTIAL INFORMATION</b>                  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.</p> <p><b>RELIABILITY NOTE</b>                  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.</p>	<p><b>LUMEX INCORPORATED</b></p> <p>290 E. HELLEN ROAD                  PALATINE, ILLINOIS 60067                  PHONE: (847) 359-2790                  WEB: <a href="http://www.lumex.com">http://www.lumex.com</a></p>
10 SEGMENT BAR GRAPH, 635nm RED CHIPS, LOW PROFILE, GRAY FACE WITH WHITE SEGMENTS.		DRAWN BY: BK/BC	CHECKED BY: DATE: 11.24.92
		APPROVED BY:	SCALE: N/A