

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

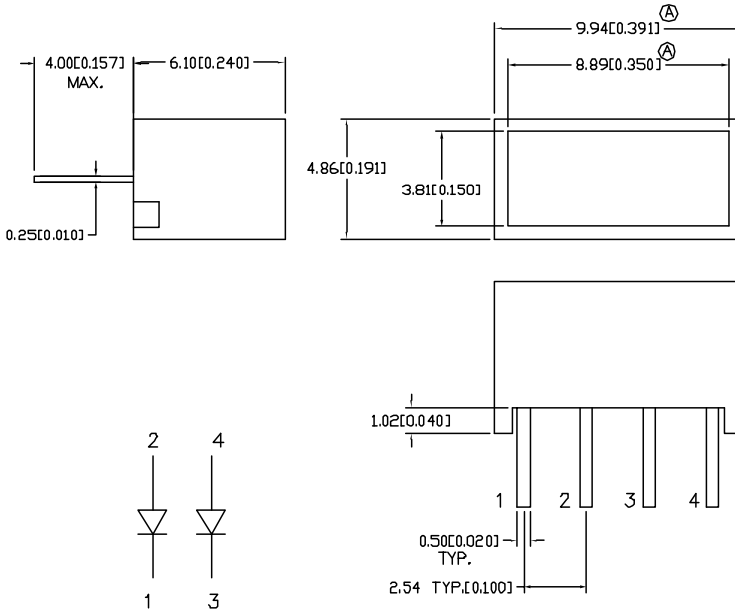
[Lumex, Inc.](#)
[SSB-LXA100SRW](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

DATE	REVISIONS	REV
9-27-96	E.C.N. #10241./	A

DRAWING NUMBER	REV
SSB-LXA100SRW	A



UNIT: mm (INCHES)
 TOLERANCE ±0.25 (±0.01) UNLESS OTHERWISE SPECIFIED

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		1.7	2.2	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		160		$2x$ theta	
EMITTED COLOR	RED				
EPOXY LENS FINISH	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 38°C	-0.5	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-20 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+230	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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 OPTO COMPONENTS INC.		290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790	
<small>CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX OPTO/COMPONENTS, INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX OPTO/COMPONENTS, 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.</small>			
DATE: 4-8-93	DWN:	CHK'D:	APPD:
SCALE: N/A			
8.89mm x 3.81mm LIGHT BAR, MILKY WHITE DIFFUSED			
PAGE 1 OF 1	DRAWING NUMBER SSB-LXA100SRW		REV A

MS/OK