

## Excellent Integrated System Limited

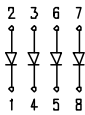
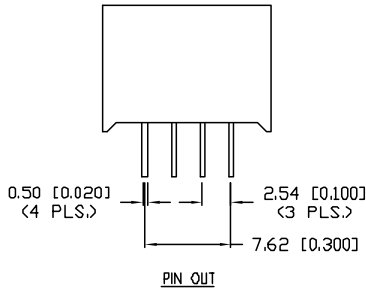
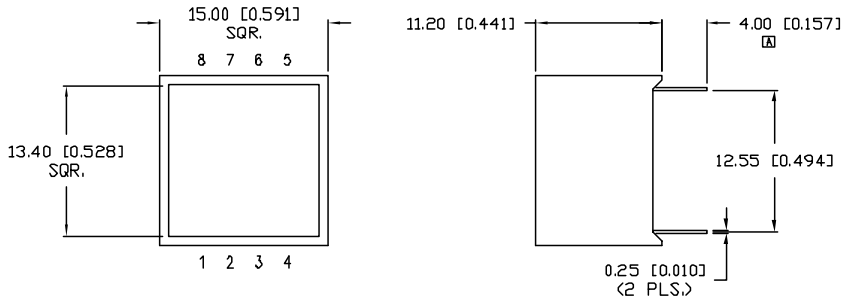
Stocking Distributor

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

[Lumex, Inc.](#)  
[SSB-LX1515SRD](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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PART NUMBER		REV.
SSB-LX1515SRD		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10605.	3.24.00
B	E.C.N. #10BRDR. & REDRAWN.	6.26.01

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.8	2.3	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		80		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		160		$2\theta$	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	98	mA
POWER DISSIPATION	30	mW
DERATE FROM $25^\circ\text{C}$	-1.0	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

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

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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=.1 ( $\pm 0.039$ ), XX=.5 ( $\pm 0.020$ ), XXX=.25 ( $\pm 0.010$ ), XXXX=.127 ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.06$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ), MIN.= $\pm$ DECIMAL PRECISION MAX.= $\pm$ DECIMAL PRECISION

REV. B	PART NUMBER SSB-LX1515SRD	<p><b>CONFIDENTIAL INFORMATION</b>          THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIALLY 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</b>          290 E. HELEN ROAD          PALATINE, IL 60067-6976          PHONE: +1.847.359.2790          US WEB: www.lumex.com          TW WEB: www.lumex.com.tw</p>
15mm x 15mm LIGHT BAR, RED CHIPS, RED DIFFUSED.		<p>DRAWN BY: CT</p>	<p>CHECKED BY:</p> <p>APPROVED BY:</p> <p>DATE: 9.20.95 PAGE: 1 OF 1 SCALE: N/A</p>