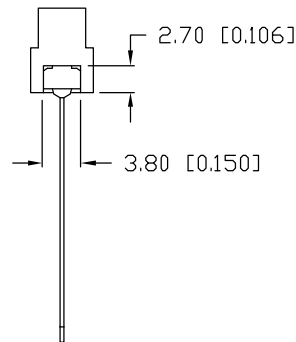
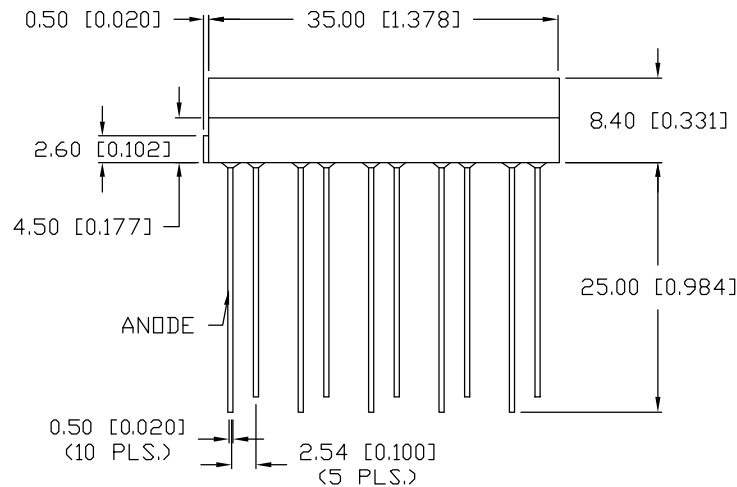
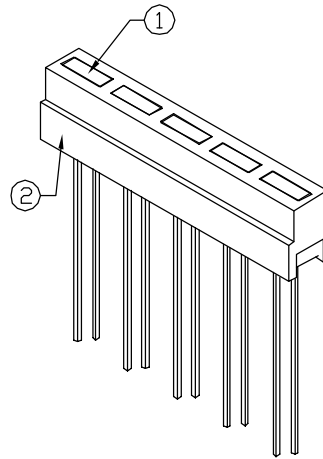
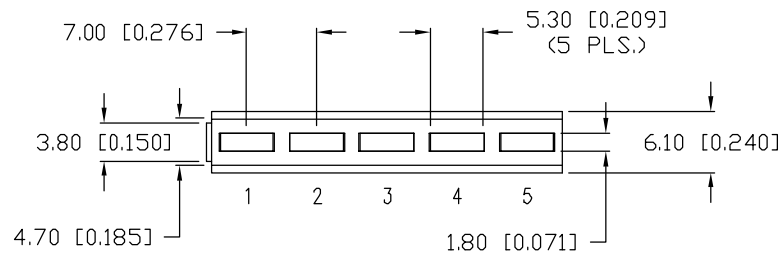




THE DATASHEET OF SSA-LXB525SRD

UNCONTROLLED DOCUMENT

PART NUMBER
SSA-LXB525SRD

REV.

D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN, UPDATED SPECS.	5.22.95
B	E.C.N. #10210.	7.17.96
C	E.C.N. #10BRDR. & REDRAWN.	5.21.01
D	E.C.N. #10BRDR. & REDRAWN.	6.5.01

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		1.7	2.2	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		110		$2\times\text{theta}$	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

A LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.3	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	

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

NOTES:

- SSL-LX2583SRD, SUPER RED LED, SELECTED FROM 1 BIN ONLY. (5 PCS)
- SSH-LXH525, BLACK HOLDER.
- BACKFILL BOTTOM OF HOLDER WITH U.V. GLUE TO SECURE LEDS.

*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.

D

PART NUMBER

SSA-LXB525SRD

5 UNIT LED ARRAY,

660nm SUPER RED LED, RED DIFFUSED LENS.

CONFIDENTIAL INFORMATION

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.

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw



DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 8.18.93
CT			PAGE: 1 OF 1
			SCALE: N/A

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ View [SSA-LXB525SRD](#) on WIN SOURCE
- ⊖ [Lumex Opto/Components Inc.](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management