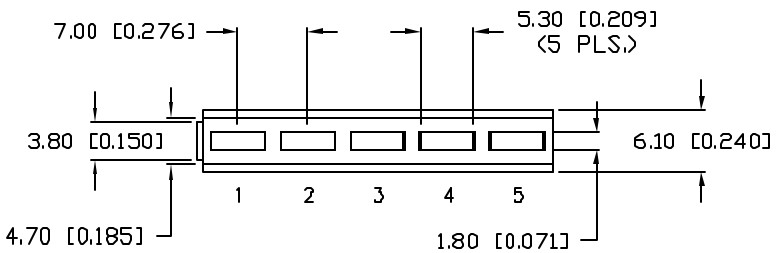
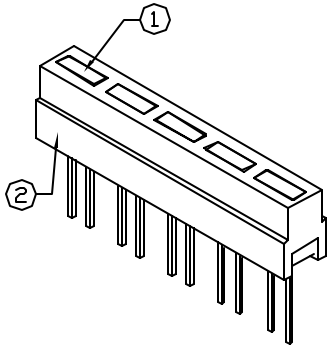
THE DATASHEET OF

SSA-LXB525YD-10

UNCONTROLLED DOCUMENT

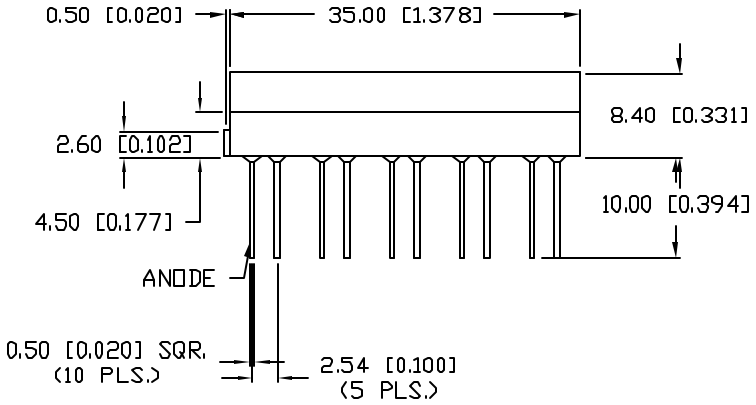
PART NUMBER	REV.
SSA-LXB525YD-10	

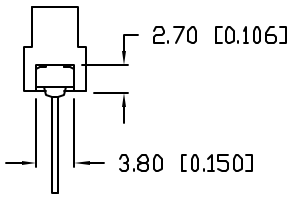




ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C I_f=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	
REVERSE VOLTAGE	5.0			V_r	I_r=100µA
AXIAL INTENSITY		10		mcd	I_f=20mA
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW DIFFUSED				





LIMITS OF SAFE OPERATION AT 25°C PER DIE

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<10µS

NOTES:

1. SSL-LX2583YD, LED, LEADS CUT TO 10mm. (5 PCS.)
2. SSH-LXH525, HOLDER.
3. BACKFILL BOTTOM OF HOLDER WITH U.V. GLUE TO SECURE LEDS.

UNCONTROLLED DOCUMENT

*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= $^{+\text{DECIMAL PRECISION}}_{-0.00}$ MAX.= $^{+0.00}_{-\text{DECIMAL PRECISION}}$

REV.	PART NUMBER	CONFIDENTIAL INFORMATION	LUMEX	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
	SSA-LXB525YD-10	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.		
	1.8mm x 5.3mm 5 UNIT LED ARRAY, 585nm YELLOW LEDS, YELLOW DIFFUSED LENS.	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.		

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 4.25.05 PAGE: 1 OF 1 SCALE: N/A
JD			

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