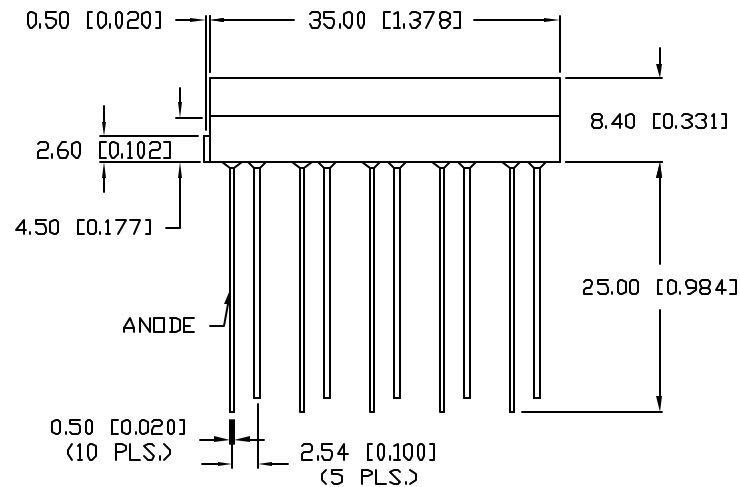
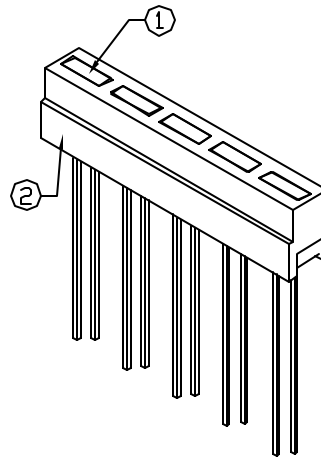
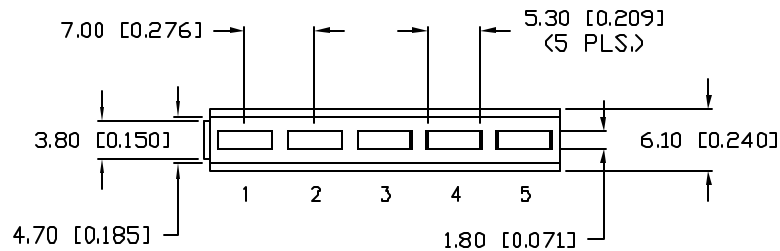
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	BLUE	GREEN	RED	ORANGE	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	430	565	635	630	585	nm	
FORWARD VOLTAGE (TYP.)	4.5	2.2	2.0	2.0	2.1	V_f	
FORWARD VOLTAGE (MAX.)	5.5	2.6	2.5	2.5	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	10	10	12	10	10	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	110	110	110	110	110	2x theta	
LED POSITION:	1	2	3	4	5		
EPOXY LENS FINISH:	DIFFUSED SAME AS EMITTED COLOR						

LIMITS OF SAFE OPERATION AT 25°C PER LED

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(B/G/R/O/Y)	30/25/30/30/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	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-LX2583SBD, LED.
SSL-LX2583GD, LED.
SSL-LX2583ID, LED.
SSL-LX2583OD, LED.
SSL-LX2583YD, LED.
- SSH-LXH525, 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=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.

PART NUMBER

SSA-LXB525SBGIOYD

1.8mm x 5.3mm 5 UNIT LED ARRAY,
 POS.1: BLUE, POS.2: GREEN, POS.3: RED, POS.4: ORANGE,
 POS.5: YELLOW, COLOR DIFFUSED LENS.

CONFIDENTIAL INFORMATION

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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.



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DATE: 12.6.01

PAGE: 1 OF 1

SCALE: N/A