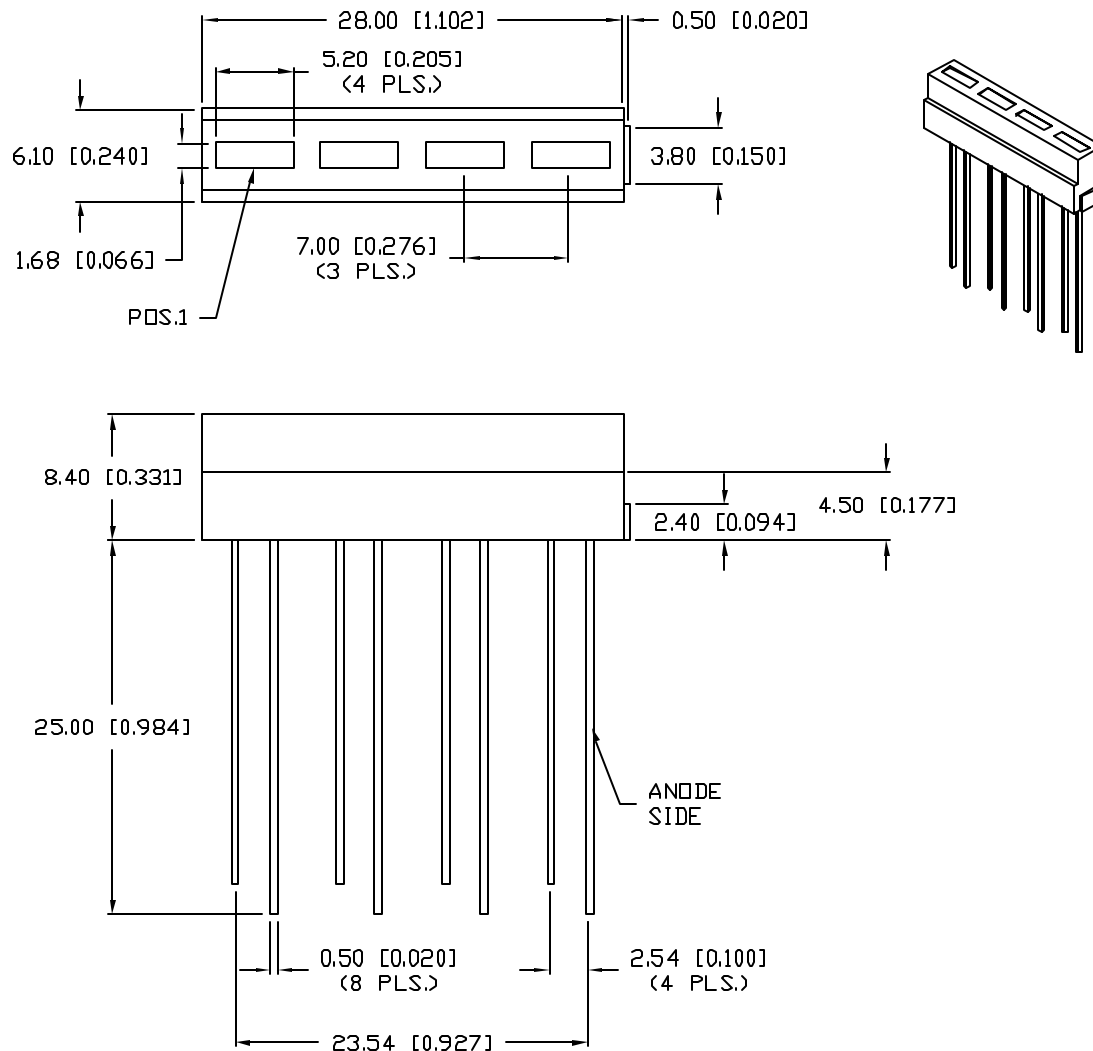


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	RED	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	636	470	nm	
FORWARD VOLTAGE (TYP.)	2.0	3.5	V_f	
FORWARD VOLTAGE (MAX.)	2.5	4.0	V_f	
REVERSE VOLTAGE	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	100	70	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	$2\times\theta$	
LED POSITION:	1~3	4		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/B)	30/25	mA
POWER DISSIPATION	(R/B)	105/120	mW
DERATE FROM 25°C		-1.6	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

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

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

*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 -0.00

REV.

PART NUMBER

SSA-LXB425SI3USB1D

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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2mm x 5mm RECTANGULAR 4 LED ARRAY,
POS.1~3: 636nm AlInGaP LED, RED DIFFUSED LENS,
POS.4: 470nm InGaN/SiC LED, BLUE DIFFUSED LENS.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 7.31.03

PAGE: 1 OF 1

SCALE: N/A