

UNCONTROLLED DOCUMENT

PART NUMBER
SSA-LXB4355IGYIW

REV.

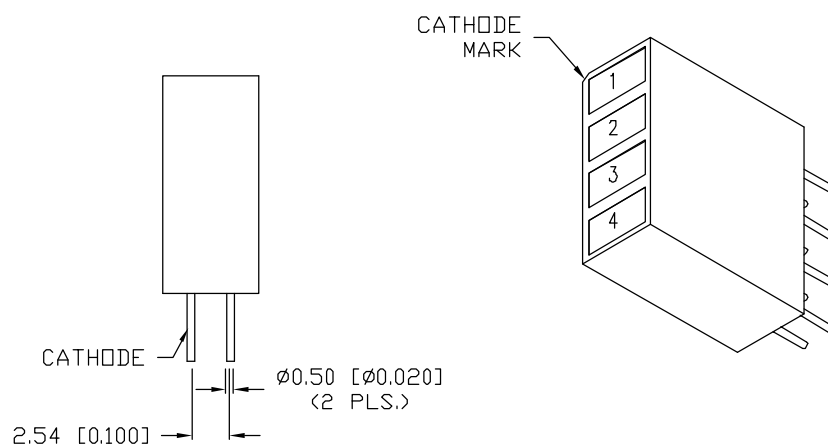
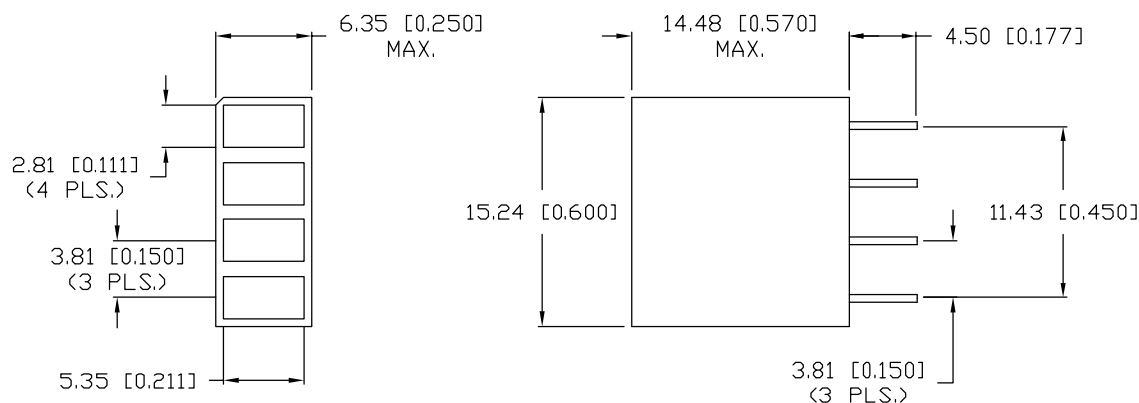
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REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

A E.C.N. #10BRDR. & REDRAWN.

6.27.01

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

PARAMETER	RED	GREEN	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	635	565	585	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.2	2.1	V _f	
FORWARD VOLTAGE (MAX.)	2.5	2.6	2.5	V _f	
REVERSE VOLTAGE	5.0	5.0	5.0	V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	15	12	12	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	160	160	160	2x theta	
LED POSITION:	1 & 4	2	3		
EPOXY LENS FINISH: MILKY WHITE DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G/Y)	30/25/30	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

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

*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

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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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3mm x 5mm RECTANGULAR CHIP ON BOARD ARRAY,
POS.1 & 4: RED, POS.2: GREEN, POS.3: YELLOW,
MILKY WHITE DIFFUSED EPOXY.

DRAWN BY:

CT

CHECKED BY:

APPROVED BY:

DATE: 6.12.98

PAGE: 1 OF 1

SCALE: N/A