



THE DATASHEET OF SSB-LX02AC

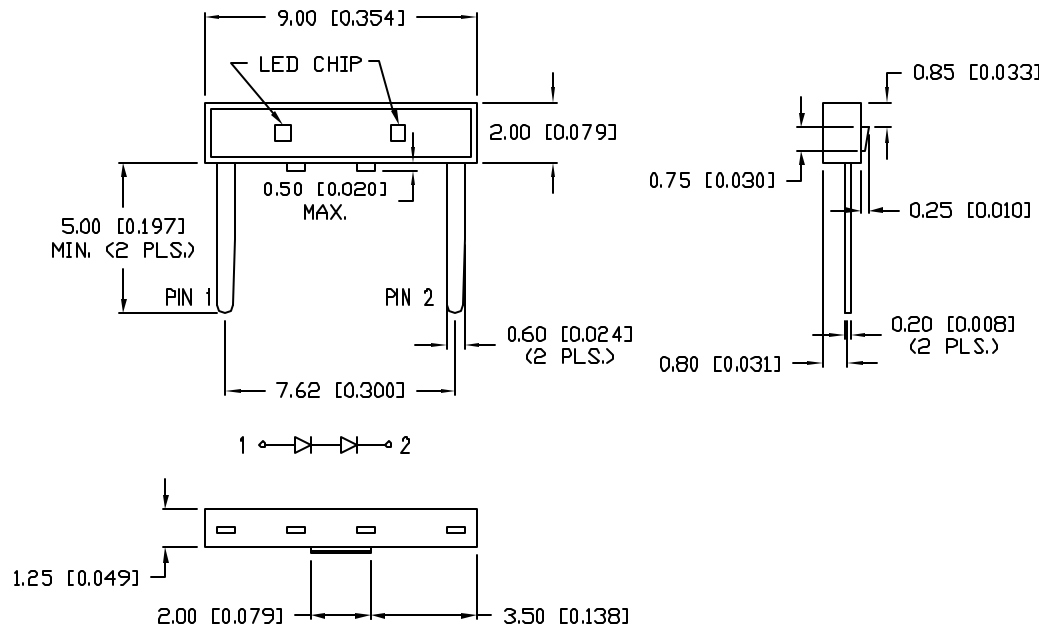


UNCONTROLLED DOCUMENT

PART NUMBER
SSB-LX02AC

REV.
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN, NEW MOLD./	2-18-93
B	UPDATED SPECS./	7-18-95
C	E.C.N. #10BRDR. & REDRAWN.	9-29-98



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		610 (AMBER)		nm	
FORWARD VOLTAGE		4.0	5.0	V _f	
REVERSE VOLTAGE	10			V _r	I _f =100μA
AXIAL INTENSITY		15		mcd	I _f =20mA
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	AMBER				
EPOXY LENS FINISH:	AMBER TRANSPARENT				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-0.25	mW/°C
OPERATING TEMP.	-20 TO +70	°C
STORAGE TEMP.	-40 TO +80	°C
SOLDERING TEMP.	+240	°C
2.0mm FROM BODY		3 SEC. MAX

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

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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

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2 CHIP LCD ILLUMINATOR, 610nm AMBER,
AMBER TRANSPARENT 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: BC	CHECKED BY:	APPROVED BY:	DATE: 9-2-92
			PAGE: 1 OF 1
			SCALE: N/A

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