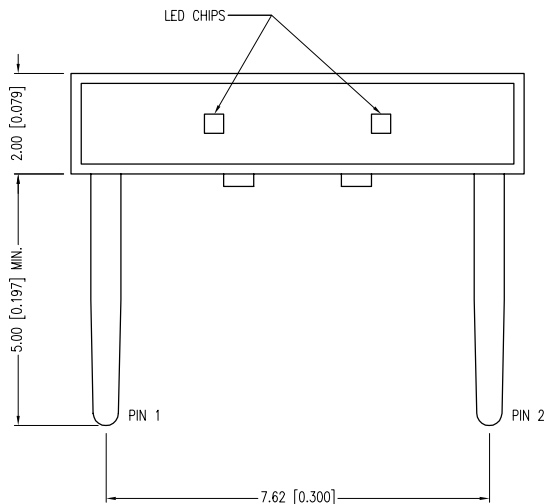
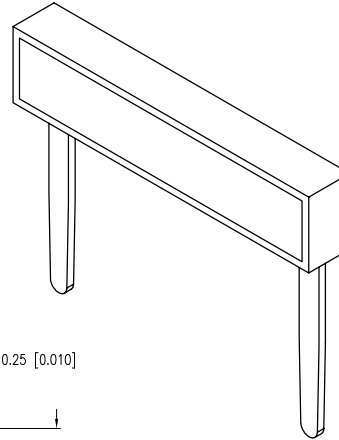
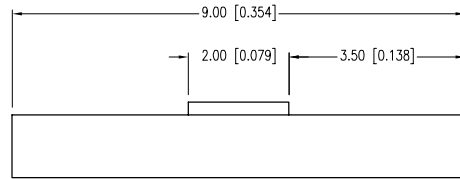
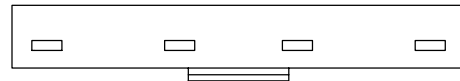
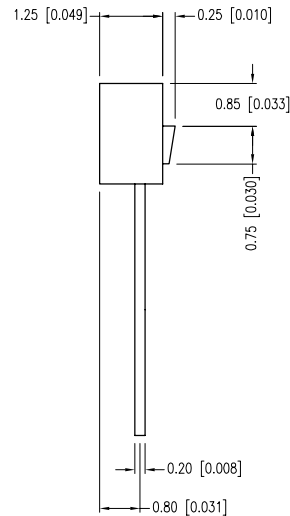


PART NUMBER	SSB-LX021C	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
02.18.93	REDRAWN, NEW MOLD.		A
07.18.95	UPDATED SPEC. WHERE NOTED.		B
3.30.11	E.C.N. #10BRDR. & REDRAWN.		C



1 2

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		4.5	5.5	$V_f$	
REVERSE VOLTAGE	10			$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY		16		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED TRANSPARENT				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	30	mA
STEADY CURRENT	--	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^\circ\text{C}$	-0.25	mW/ $^\circ\text{C}$
OPERATING TEMP.	-20 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+240	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

\*  $t_c < 10\mu\text{s}$ \*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ), MIN.=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION MAX.=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION

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