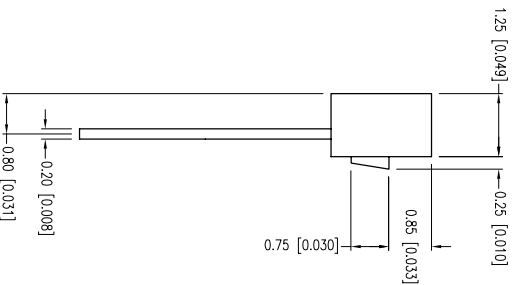
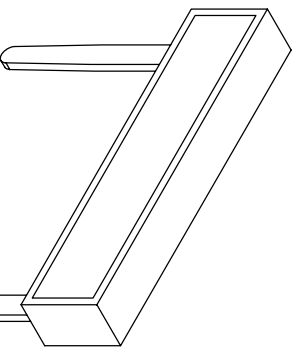




THE DATASHEET OF SSB-LX02SRC



PART NUMBER	SSB-LX02SRC	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
02.18.93	REDRAWN, NEW MOLD.	A	
07.18.95	UPDATED SPEC. WHERE NOTED.	B	
09.29.98	E.C.N. #10BRDR. & REDRAWN.	C	
03.05.99	E.C.N. #10501. CORRECTED POLARITY.	D	

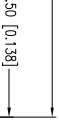
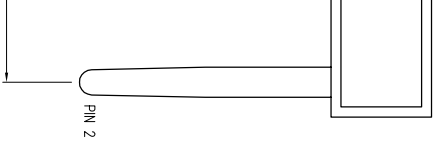


ELECTRO-OPTICAL CHARACTERISTICS $I_A=25^\circ\text{C}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		3.6	4.6	V_f	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	2.0			V_r	$I_f=20\text{mA}$
AXIAL INTENSITY		50		med	
VIEWING ANGLE		160		2θ theta	
EMITTED COLOR:		RED			
EPOXY LENS FINISH:		RED 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/ $^\circ\text{C}$
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		
* I<10.5S		3 SEC. MAX



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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 DECMAL PRECISION MAX. = +0.00 DECMAL PRECISION



2 CHIP LCD ILLUMINATOR, 660nm RED, RED TRANSPARENT LENS.
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT
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DATE:	03.30.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	YA
SCALE:	NTS	APRVD BY:	YA
UNIT:	mm [INCH]		

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