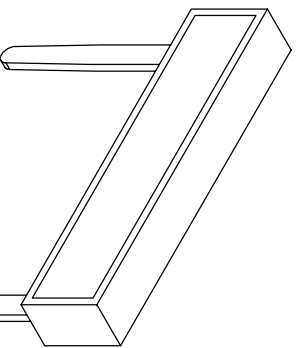




# THE DATASHEET OF SSB-LX02YC

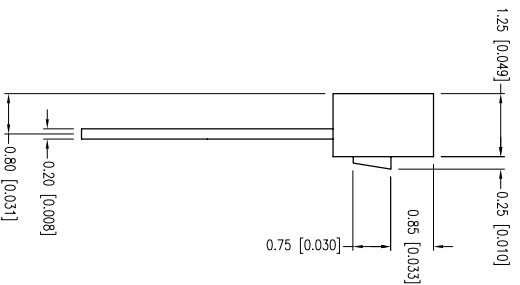


PART NUMBER	SSB-LX02YC		REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	B
02.18.93	REDRAWN, NEW MOLD.		REV.	A
07.18.95	UPDATED SPEC. WHERE NOTED.		REV.	B



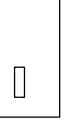
ELECTRO-OPTICAL CHARACTERISTICS  $I_A=25^\circ\text{C}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		4.5	5.5	$V_f$	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	10			$V_r$	$I_f=20\text{mA}$
AXIAL INTENSITY		10		med	
VIEWING ANGLE		160		$2\theta$ theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW TRANSPARENT				



LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	30	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-25	mW/°C
OPERATING TEMP.	-35 TO +85	°C
STORAGE TEMP.	-35 TO +85	°C
SOLDERING TEMP.	+240	°C
2.0mm FROM BODY		
* I<100μS		3 SEC. MAX



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X±1 (+0.039), X±H0.5 (+0.020), XXX=±0.25 (+0.010), XXXX=±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, 585nm YELLOW, YELLOW TRANSPARENT LENS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT\*\*

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DATE:	02.19.93	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	YA
SCALE:	NTS	APRVD BY:	YA
UNIT:	mm [INCH]		



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