

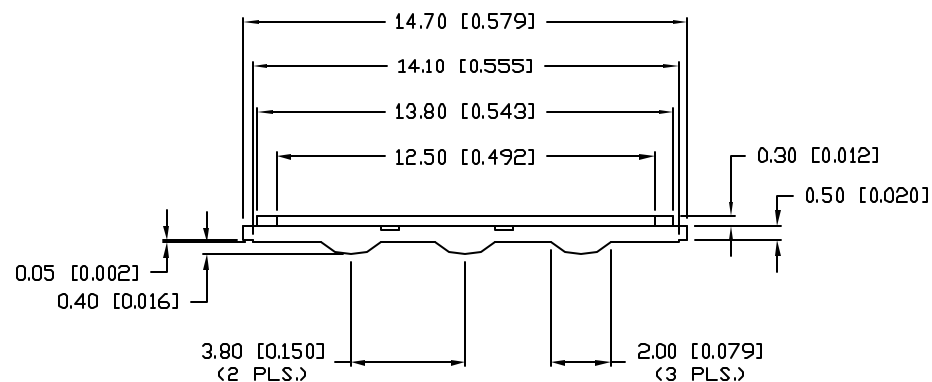
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PART NUMBER
SSB-LX03YC

REV.

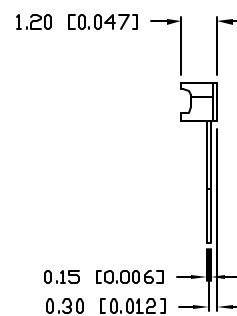
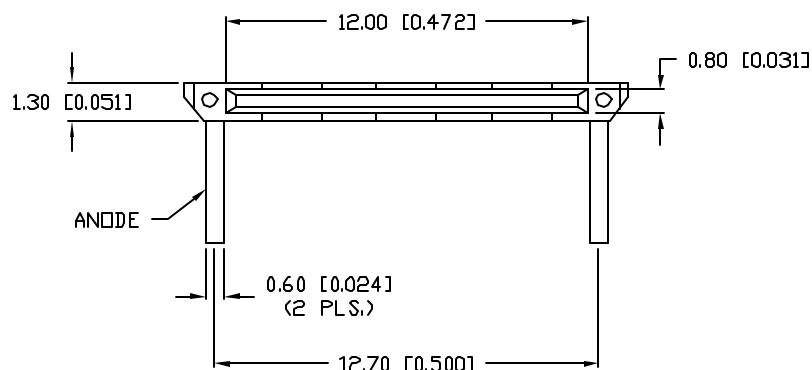
REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		4.2	5.0	V_f	
REVERSE VOLTAGE	8			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		20		med	$I_f=20\text{mA}$
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				



LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	90	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	150	mW
DERATE FROM 25°C	0.4	mA/ $^\circ\text{C}$
OPERATING TEMP.	-30 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +100	$^\circ\text{C}$
SOLDERING TEMP.	+240	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

* $t=0.1\text{ms}@1/10$ DUTY.

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

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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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2 CHIPS, 1.5" TALL LCD ILLUMINATOR,
585nm YELLOW, WATER CLEAR LENS.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 6-8-99
BC			PAGE: 1 OF 1
			SCALE: N/A