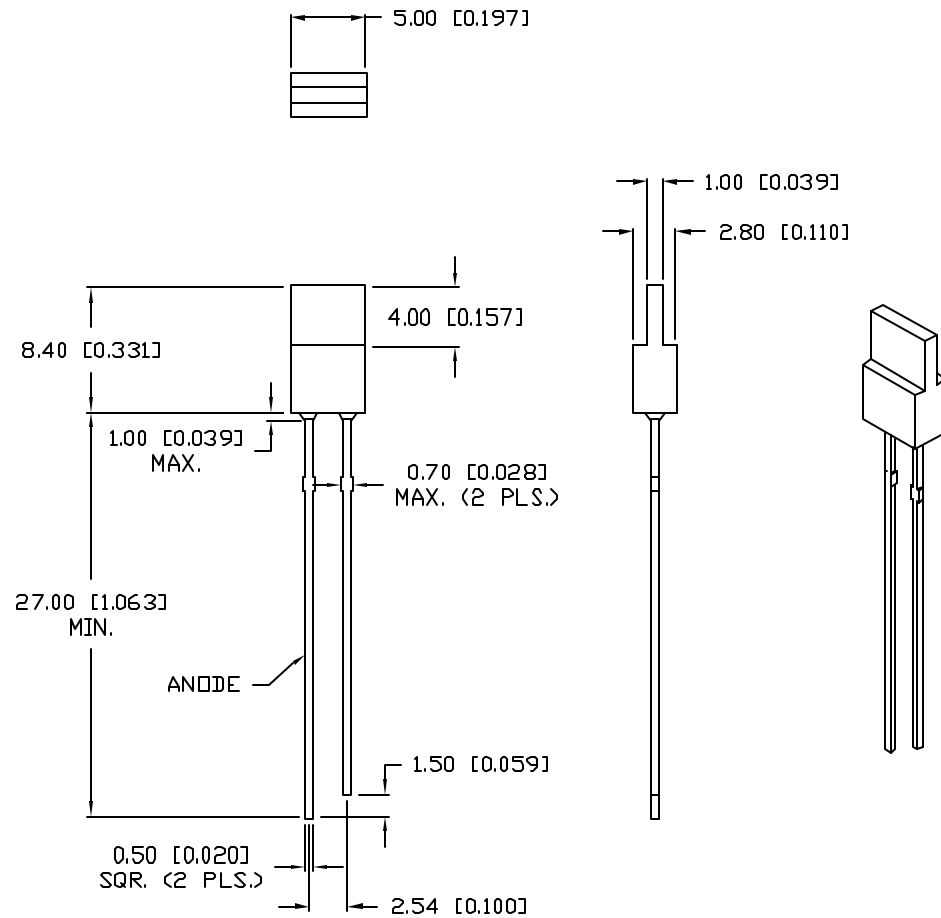


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSL-LX15583YD		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	6.11.01
B	E.C.N. #11148.	4.25.05



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY		10		med	I _f =20mA
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: 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. ^{+DECIMAL PRECISION} _{-0.00} MAX. = ^{+0.00} _{-DECIMAL PRECISION}

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
B	SSL-LX15583YD

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1mm x 5mm RECTANGULAR LED,
 585nm YELLOW LED, YELLOW DIFFUSED 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:	CHECKED BY:	APPROVED BY:	DATE:
BC			6.14.99
			PAGE: 1 OF 1
			SCALE: N/A