PART NUMBER	REV.
SSL−LX5093YYD	B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.25.01
B	E.C.N. #11148	10.30.06

∅5.90 [∅0.232] — ∅5.00 [∅0.197]

+

8.60 [0.339]

1.00 [0.039]

1.00 [0.039] MAX.

27.00 [1.063]

1.50 [0.059]

0.50 [0.020] SQR. (2 PLS.)

2.54 [0.100]
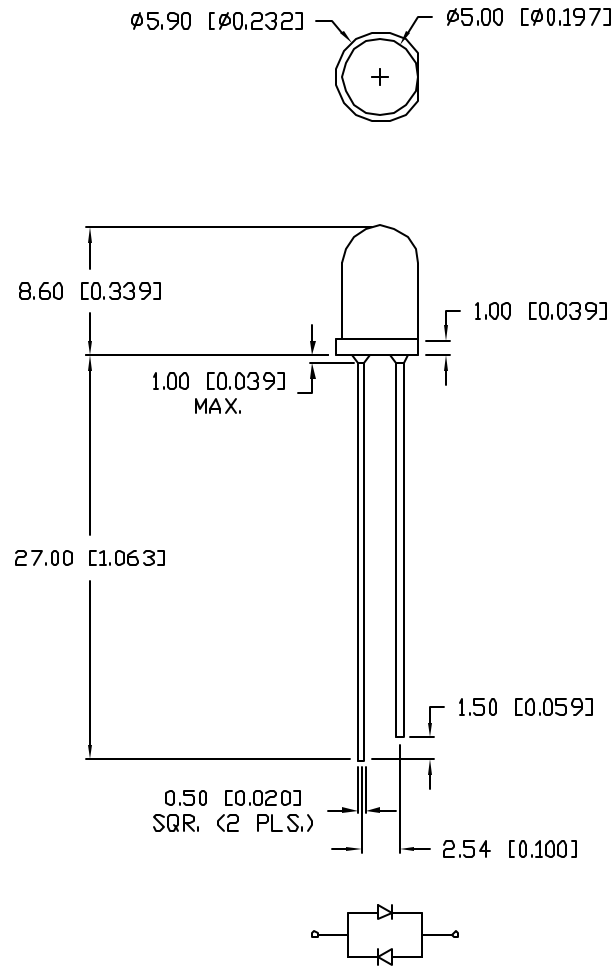
ELECTRO−OPTICAL CHARACTERISTICS $T_A=25°C$ $I_f=20mA$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
AXIAL INTENSITY		10		mcd	$I_f=20mA$
VIEWING ANGLE		60		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	−1.6	mW/°C
OPERATING, STORAGE TEMP.	−40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

* $t<10\mu S$

Pb

*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.= $^{+0.00}_{-DECIMAL\ PRECISION}$

REV.	PART NUMBER
B	SSL−LX5093YYD

T−5mm (T−1 3/4) 585nm YELLOW BIPOLAR LED, YELLOW DIFFUSED LENS.

DRAWN BY: JC	CHECKED BY:	APPROVED BY:	DATE: 10.30.06
			PAGE: 1 OF 1
			SCALE: N/A

Mouser Electronics

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