



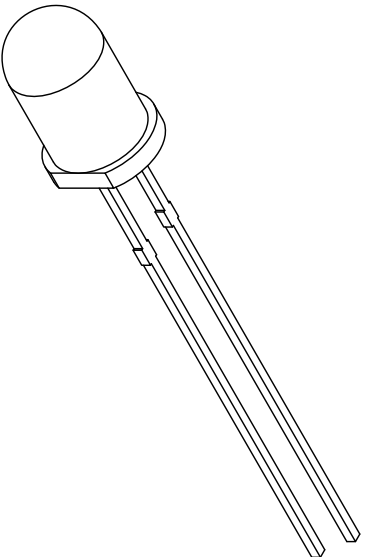
**THE DATASHEET OF  
SSL-LX5093SYC**



PART NUMBER	SSL-LX5093SYC	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
12.20.94	UPDATED SPECS.	A	
12.19.95	UPDATED SPECS.	B	
07.08.96	E.C.N. #10204.	C	
05.31.01	E.C.N. #10BRDR. & REDRAWN IN 3D.	D	
01.25.07	E.C.N. #1148.	E	
10.02.12	E.C.N. #10BRDR. & REDRAWN.	F	

[60.232]

60.197]



**B** **A** ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^{\circ}\text{C}$   $I_f=20\text{mA}$

PARAMETER	MIN	TPP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.1	2.5	Vf	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	4.0			Vr	$I_f=20\text{mA}$
AXIAL INTENSITY		1000		md	
VIEWING ANGLE		30		$2\theta$ theta	
EMITTED COLOR:		YELLOW			
EPOXY LENS FINISH:		WATER CLEAR			

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$

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

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

MAX.

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 MAX.= +0.00 -DECIMAL PRECISION  
 PART A/E  
 PAN. TL 60188-4900  
 800.278.5666  
 3.15.2152  
 LUXEY.COM  
**7W PHOTONICS GROUP**

QUASARBRITE T-5mm (T-1 3/4) 590nm SUPER YELLOW LED, WATER CLEAR LENS.

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

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DATE:	10.02.12	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		

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## Looking for pricing, stock, or lifecycle information?

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