



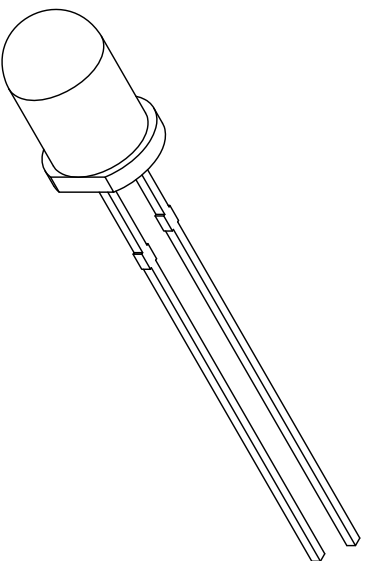
**THE DATASHEET OF  
SSL-LX5093SIC**



PART NUMBER		SSL-LX5093SIC		REV.	C
DATE	05.31.01	E.C.N. NUMBER AND REVISION COMMENTS		REV.	C
E.C.N.	#10BRDR.	& REDRAWN.		REV.	A
E.C.N.	#11148.			REV.	B
E.C.N.	#10BRDR. & REDRAWN.			REV.	C

[60.232]

60.197]



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			Vr	$I_f=20\text{mA}$
AXIAL INTENSITY		1800		md	
VIEWING ANGLE		30		$2\theta$ theta	
EMITTED COLOR:		RED			
EPoxy LENS FINISH:		WATER CLEAR			

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 TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+280	°C
2.0mm FROM BODY	3	SEC.

\* I<10µS

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.=<sup>+DECIMAL PRECISION</sup> MAX.=<sup>-DECIMAL PRECISION</sup>

DATE: 09.19.12  
 DRAWN BY: AB  
 CHECK BY: KF  
 APPROV BY: KF

UNCONTROLLED DOCUMENT

QUASARBRITE T-5mm (T-1 3/4) 636nm SUPER HIGH INTENSITY RED 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: 09.19.12  
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 CHECK BY: KF  
 APPROV BY: KF

UNIT: mm [INCH]



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

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- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management