



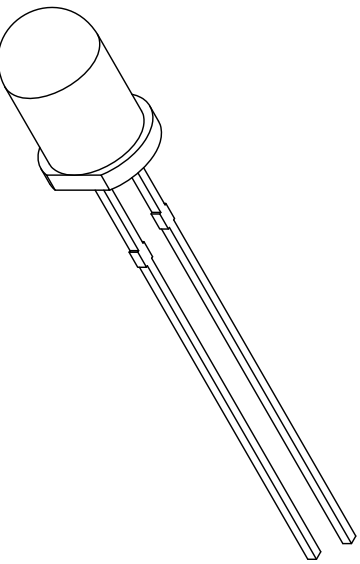
**THE DATASHEET OF
SSL-LX5093SOC**



PART NUMBER	SSL-LX5093S0C		REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS			REV.
07.01.96	E.C.N. #10200.			A
05.31.01	E.C.N. #10BRDR. & REDRAWN.			B
10.25.06	E.C.N. #11148.			C
09.20.12	E.C.N. #10BRDR. & REDRAWN.			D

[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		610		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		2500		md	
VIEWING ANGLE		30		2θ theta	
EMITTED COLOR:		ORANGE			
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.	+260	°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 (+0.009), LEAD SIZE=±0.05 (+0.002), LEAD LENGTH=±0.75 (+0.030), MIN.= -0.000, DECIMAL PRECISION MAX.= +0.000, DECIMAL PRECISION

DATE: 09.20.12 DRAWN BY: AB

PAGE: 1 OF 1 CHKD BY: KF

SCALE: NTS APRVD BY: KF

UNIT: mm [INCH]

UNCONTROLLED DOCUMENT

QUASARBRITE T-5mm (T-1 3/4) 610nm SUPER INTENSITY ORANGE LED, WATER CLEAR LENS.

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

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Y AFE
 SAN TL 60188-4900
 800.278.5666
 3.15.2152
 LUXEY.COM
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