



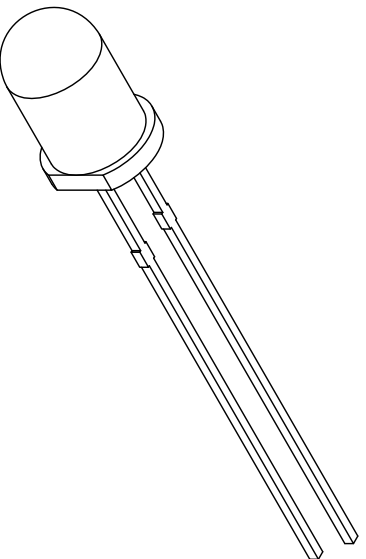
**THE DATASHEET OF  
SSL-LX5093PC**



PART NUMBER	SSL-LX5093PC	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	A
09.04.12	E.C.N. #10BRDR. & REDRAWN.		

[60.232]

60.197]



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	3.2	4.0	nm	
FORWARD VOLTAGE		5.0		V <sub>f</sub>	I <sub>f</sub> =20mA
REVERSE VOLTAGE		2200		V <sub>r</sub>	I <sub>r</sub> =10 $\mu$ A
AXIAL INTENSITY**	900			mcd	I <sub>f</sub> =20mA
CHROMATICITY (X)		0.33			
COORDINATES (Y)**		0.20			I <sub>f</sub> =20mA
VIEWING ANGLE		20		2x theta	
EMITTED COLOR:	PINK				
LENS FINISH:	WATER CLEAR				

\*\*AXIAL INTENSITY TESTING CONDITION 550nm WAVELENGTH.  
 \*\*THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +95	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.
*DUTY 1/10 PULSE WIDTH 10ms		

CAUTION: STATIC SENSITIVE DEVICE  
 FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
 WHEN WORKING WITH THIS PART.

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.= -0.00, DECIMAL PRECISION MAX.= +0.00, DECIMAL PRECISION  
 QUNASARBRITE T-5mm (T-1 3/4) PINK LED, WATER CLEAR LENS.

UNCONTROLLED DOCUMENT  
 DATE: 09.04.12 DRAWN BY: AB  
 PAGE: 1 OF 1 CHKD BY: KF  
 SCALE: NTS APRVD BY: KF  
 UNIT: mm [INCH]

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