



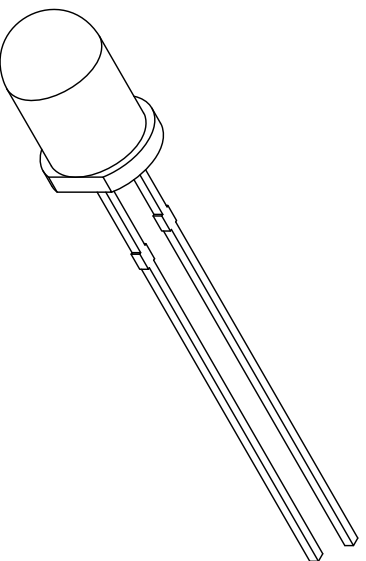
**THE DATASHEET OF
SSL-LX5093TC**



PART NUMBER	SSL-LX5093TC		REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
10.02.12	E.C.N. #10BRDR. & REDRAWN.		REV.	A

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

PARAMETER	MIN	TPP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	3.2	4.0	nm	$I_f=20\text{mA}$
FORWARD VOLTAGE				Vf	$I_f=10\mu\text{A}$
REVERSE VOLTAGE	5.0			Vr	$I_f=20\text{mA}$
AXIAL INTENSITY	900	2200		mcd	$I_f=20\text{mA}$
CHROMATICITY (X)		0.19			
COORDINATES (Y)**		0.41			$I_f=20\text{mA}$
VIEWING ANGLE		20		2θ theta	
EMITTED COLOR:		TURQUOISE			
LENS FINISH:		WATER CLEAR			

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

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT*	I_p	100	mA
STEADY CURRENT	I_f	30	mA
POWER DISSIPATION	P_d	120	mW
OPERATING TEMP.	T_{op}	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	T_{sig}	-40 TO +85	$^{\circ}\text{C}$
SOLDER TEMP.		+260	$^{\circ}\text{C}$
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.

MAX.

±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
 PAN. TL 60188-4900
 800.278.5666
 3.151.2152
 LUXEY.COM
 /TW PHOTONICS GROUP

QUASARBRITE T-5mm (T-1 3/4) TURQUOISE 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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