



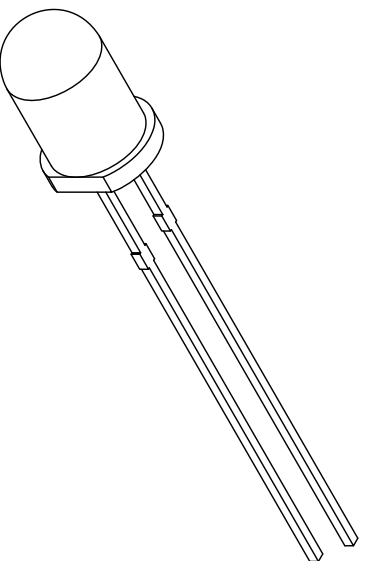
**THE DATASHEET OF
SSL-LX5093UWC/H**



PART NUMBER	SSL-LX5093UWC/H	REV.	-
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ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		2.8	3.6	nm	$I_f=20\text{mA}$
FORWARD VOLTAGE		5.0		V _f	$I_f=10\text{mA}$
REVERSE VOLTAGE				V _r	$I_f=20\text{mA}$
LUMINOUS INTENSITY*		18000	36000	mcd	$I_f=20\text{mA}$
CHROMATICITY (X)		0.29			$I_f=20\text{mA}$
COORDINATES (Y)**		0.28			$I_f=20\text{mA}$
VIEWING ANGLE		15		2θ theta	
EMITTED COLOR:		WHITE			
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	110	mW
OPERATING TEMP*	T_{opR}	-40 TO +85	°C
STORAGE TEMP.	Stg	-40 TO +100	°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=X1 (+0.039), X.X=X10.5 (+0.020), X.XX=X10.25 (+0.010), X.XXX=X10.127 (+0.005), LEAD SIZE=X10.05 (+0.002), LEAD LENGTH=X10.75 (+0.030), MIN.=+DECIMAL PRECISION MAX.=+0.00
 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

DATE: 08.27.14 DRAWN BY: MA
 PAGE: 1 OF 1 CHKD BY: KF
 SCALE: NTS APRVD BY: KF
 UNIT: mm [INCH]

QUASARBRITTE T-5mm (T-1 3/4) ULTRA WHITE LED, WATER CLEAR LENS.

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

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