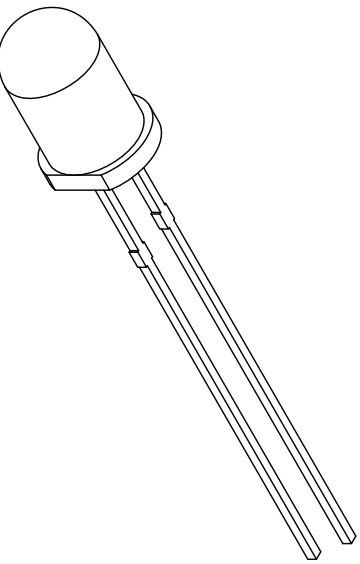




PART NUMBER	SSL-LX5093TSBC		REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS			REV.
12.11.96	E.C.N. #10283.			A
05.14.01	E.C.N. #10BRDR. & REDRAWN IN 3D.			B
10.27.06	E.C.N. #11148.			C
10.02.12	E.C.N. #10BRDR. & REDRAWN.			D

[60.226]

60.197]



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

PARAMETER	MIN	TP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		430		nm	
FORWARD VOLTAGE		4.5	5.5	Vf	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	4.0			Vr	$I_f=20\text{mA}$
AXIAL INTENSITY		400		md	
VIEWING ANGLE		20		$2\theta$ theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	98	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

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

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.= -0.00, DECIMAL PRECISION MAX.= +0.00, DECIMAL PRECISION

DATE: 10.02.12 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) 430nm BLUE LED, WATER CLEAR LENS, THIN FLANGE.

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

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