



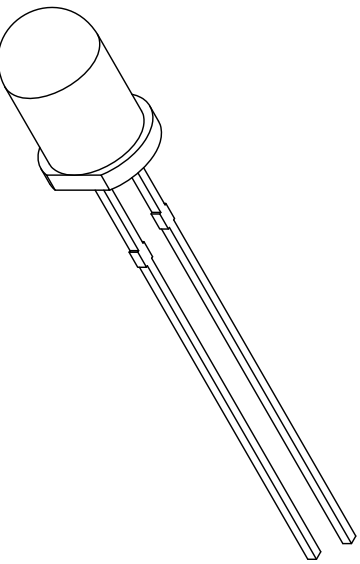
**THE DATASHEET OF
SSL-LX5093SYD**



| PART NUMBER | SSL-LX5093SYD | | REV. | D |
|-------------|-------------------------------------|--|------|------|
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | | REV. |
| 07.03.96 | E.C.N. #10204. | | | A |
| 05.31.01 | E.C.N. #10BRDR. & REDRAWN IN 3D. | | | B |
| 10.25.06 | E.C.N. #11148. | | | C |
| 10.02.12 | E.C.N. #10BRDR. & REDRAWN. | | | D |

[60.232]

00.197]



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

| PARAMETER | MIN | TPP | MAX | UNITS | TEST COND |
|--------------------|-----------------|-----|-----|------------|----------------------|
| PEAK WAVELENGTH | | 590 | | nm | |
| FORWARD VOLTAGE | | 2.1 | 2.5 | Vf | $I_f=100\mu\text{A}$ |
| REVERSE VOLTAGE | 4.0 | | | Vr | $I_f=20\text{mA}$ |
| AXIAL INTENSITY | | 300 | | md | |
| VIEWING ANGLE | | 60 | | $2x$ theta | |
| EMITTED COLOR: | YELLOW | | | | |
| EPOXY LENS FINISH: | YELLOW DIFFUSED | | | | |

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 (+0.005), 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

QUASARBRITTE T-5mm (T-1 3/4) 590nm SUPER YELLOW LED, YELLOW DIFFUSED LENS.



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

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