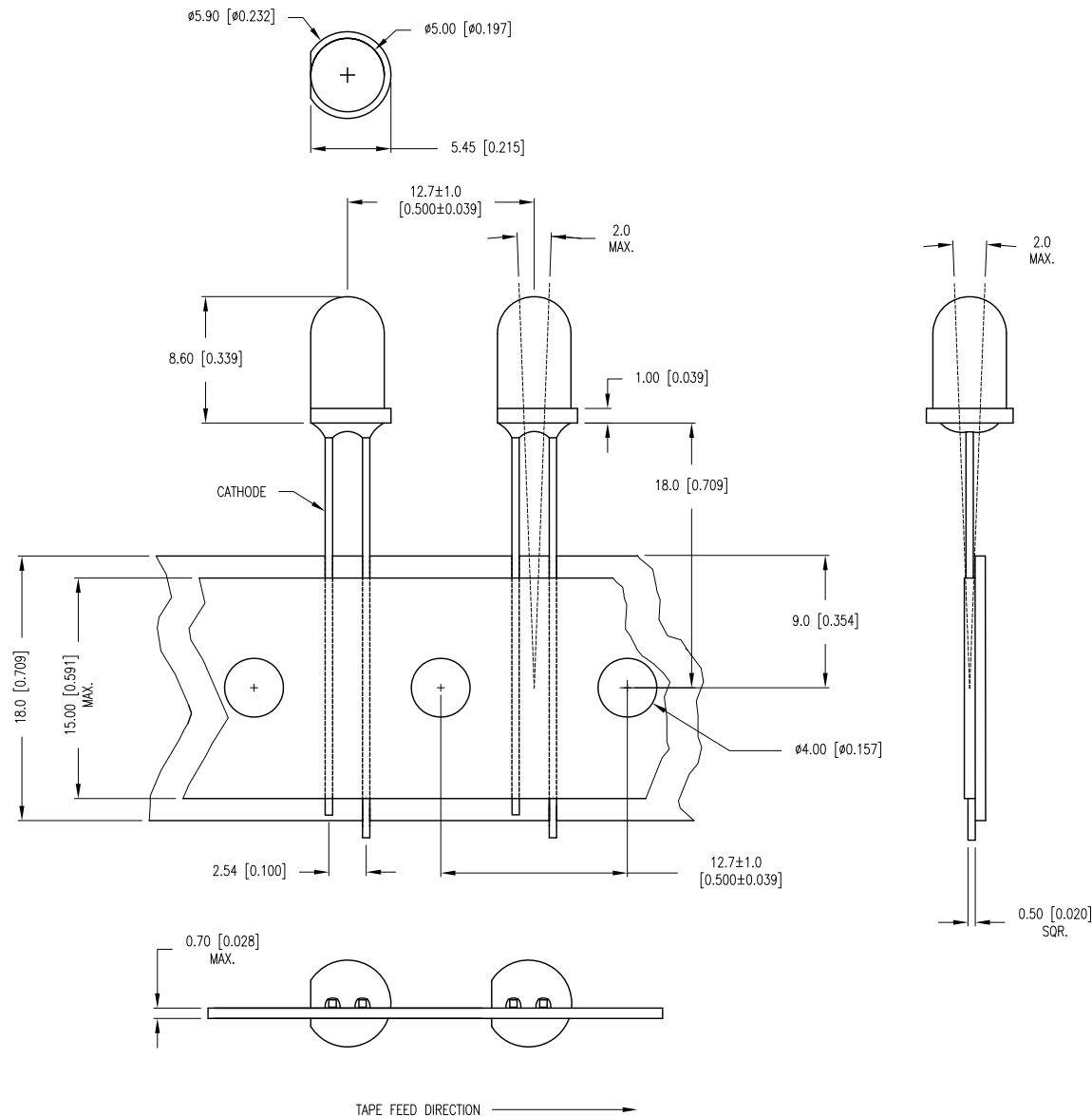


| PART NUMBER | SSL-LX5093SIC/E-TR                  | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 10.24.06    | E.C.N. #11148.                      |      | A    |
| 09.19.12    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |



## ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA

| PARAMETER          | MIN         | TYP  | MAX | UNITS    | TEST COND |
|--------------------|-------------|------|-----|----------|-----------|
| PEAK WAVELENGTH    |             | 636  |     | nm       |           |
| FORWARD VOLTAGE    |             | 2.0  | 2.5 | Vf       |           |
| REVERSE VOLTAGE    | 5.0         |      |     | Vr       | If=100μA  |
| AXIAL INTENSITY    |             | 3500 |     | mcd      | If=20mA   |
| VIEWING ANGLE      |             | 30   |     | 2x theta |           |
| EMITTED COLOR:     | RED         |      |     |          |           |
| EPOXY LENS FINISH: | WATER CLEAR |      |     |          |           |

## 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.  |

\* t&lt;10μS

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: 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.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

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