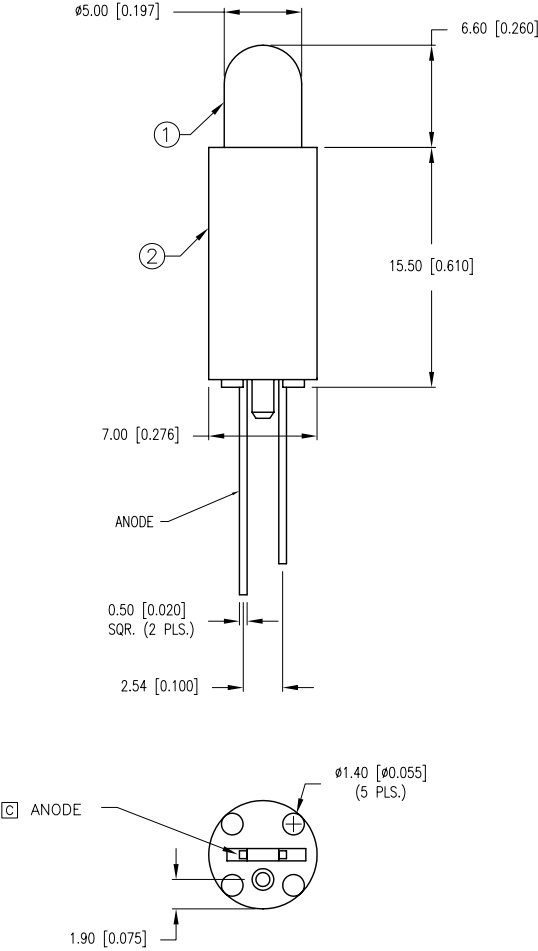


| PART NUMBER | SSS-LX5093IC-H700                   | REV. | E    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 06.08.95    | UPDATED SAFE OPERATING SPECS.       |      | A    |
| 09.14.95    | REDRAWN, UPDATED SPECS.             |      | B    |
| 05.14.97    | E.C.N. #10343.                      |      | C    |
| 09.04.98    | E.C.N. #10BRDR. & REDRAWN.          |      | D    |
| 02.21.07    | E.C.N. #11148.                      |      | E    |



| ELECTRO-OPTICAL CHARACTERISTICS T <sub>A</sub> =25°C I <sub>f</sub> =20mA |             |           |     |                |                       |
|---------------------------------------------------------------------------|-------------|-----------|-----|----------------|-----------------------|
| PARAMETER                                                                 | MIN         | TYP       | MAX | UNITS          | TEST COND             |
| PEAK WAVELENGTH                                                           |             | 635 (RED) |     | nm             |                       |
| FORWARD VOLTAGE                                                           |             | 2.0       | 2.5 | V <sub>f</sub> |                       |
| REVERSE VOLTAGE                                                           | 5.0         |           |     | V <sub>r</sub> | I <sub>r</sub> =100μA |
| AXIAL INTENSITY                                                           |             | 130       |     | mcd            | I <sub>f</sub> =20mA  |
| VIEWING ANGLE                                                             |             | 30        |     | 2x theta       |                       |
| EMITTED COLOR:                                                            | RED         |           |     |                |                       |
| EPOXY LENS FINISH:                                                        | WATER CLEAR |           |     |                |                       |

| B A 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, STORAGE TEMP.             | - 40 TO +85 | °C         |
| SOLDERING TEMP.                      | + 260       | °C         |
| 2.0mm FROM BODY                      |             | 3 SEC. MAX |
| * t<10μs                             |             |            |

- NOTES:
- 1. SSL-LX5093IC, RED LED.
  - 2. SSS-LXH700, BLACK NYLON SPACER.