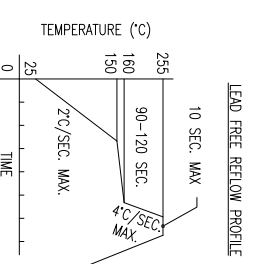


| PART NUMBER | SSF-LXH305YD(-TR)                   | REV. | K |
|-------------|-------------------------------------|------|---|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS | REV. |   |
| 5.13.94     | ADDED SOLDER PAD PROFILE            | A    |   |
| 9.12.94     | UPDATED SAFE OPER. SPECS.           | B    |   |
| 3.13.95     | CORRECTED LED PROTRUSION            | C    |   |
| 7.5.95      | ADDED TAPE AND REEL OPTION          | D    |   |
| 10.15.97    | E.C.N. #10BRDR & REDRAWN.           | E    |   |
| 5.22.00     | E.C.N. #10625.                      | F    |   |
| 11.30.00    | E.C.N. #10683.                      | G    |   |
| 11.6.01     | E.C.N. #10782.                      | H    |   |
| 4.22.02     | E.C.N. #10855.                      | I    |   |
| 5.15.02     | E.C.N. #10864.                      | J    |   |
| 2.20.06     | E.C.N. #11311.                      | K    |   |

| PARAMETER  | MIN             | TYP | MAX | UNITS          | TEST COND             |
|--|-----------------|-----|-----|----------------|-----------------------|
| ELECTRO-OPTICAL CHARACTERISTICS I <sub>A</sub> =25°C |                 |     |     |                |                       |
| PEAK WAVELENGTH                                      |                 | 585 | 2.5 | nm             |                       |
| FORWARD VOLTAGE                                      |                 | 2.1 |     | V <sub>F</sub> | I <sub>F</sub> =100µA |
| REVERSE VOLTAGE                                      | 5.0             |     |     | V <sub>R</sub> |                       |
| AXIAL INTENSITY                                      |                 | 30  |     | med            | I <sub>F</sub> =20mA  |
| VIEWING ANGLE  |                 | 60  |     | 2x theta       |                       |
| EMITTED COLOR:                                       | YELLOW          |     |     |                |                       |
| EPOXY LENS FINISH:                                   | YELLOW DIFFUSED |     |     |                |                       |

| PARAMETER                        | MAX        | UNITS      |
|----------------------------------|------------|------------|
| LIMITS OF SAFE OPERATION AT 25°C |            |            |
| PEAK FORWARD CURRENT*            | 150        | mA         |
| STEADY CURRENT                   | 30         | mA         |
| POWER DISSIPATION                | 100        | mW         |
| DERATE FROM 25°C                 | -1.6       | mW/°C      |
| OPERATING TEMP.                  | -40 TO +85 | °C         |
| STORAGE TEMP.                    | -40 TO +85 | °C         |
| SOLDERING TEMP.                  | +260       | °C         |
| 2.0mm FROM BODY                  |            |            |
| * I<sub>T</sub>10J5              |            | 3 SEC. MAX |

- NOTES:
1. SSL-LX3056YD, YELLOW LED.
  2. SSH-LXH305, BLACK HOLDER.
  3. -TR SUFFIX TO DESIGNATE TAPE & REEL SUPPLIED.
  4. CARRIER TAPE #LXP-CARRIER24-56.
  5. LED HAS HIGH TEMP. EPOXY.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (+0.039), XX=±0.5 (+0.020), 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

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T-3mm (T-1) RIGHT ANGLE SURFACE MOUNT LED, YELLOW DIFFUSED LENS, TAPE AND REEL.  
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DATE: 03.03.94 DRAWN BY: BC  
 PAGE: 1 OF 1 CHKD BY:  
 SCALE: APPROV BY:  
 UNIT: mm [INCH]