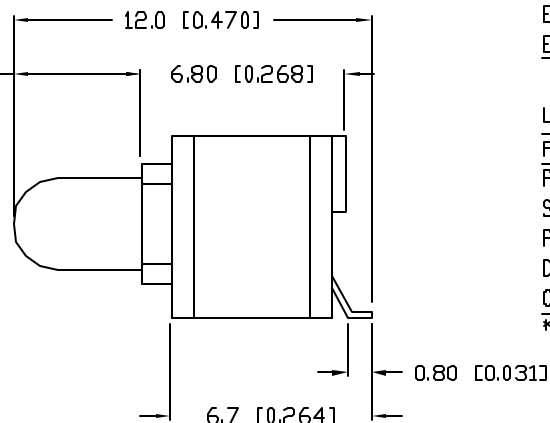
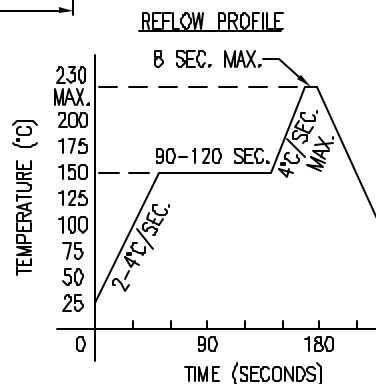
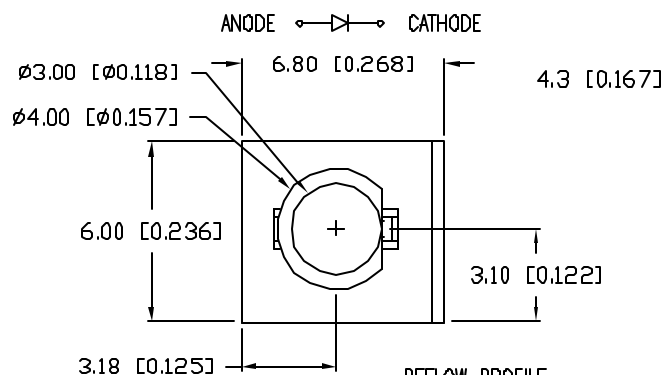
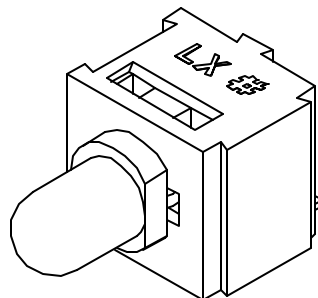
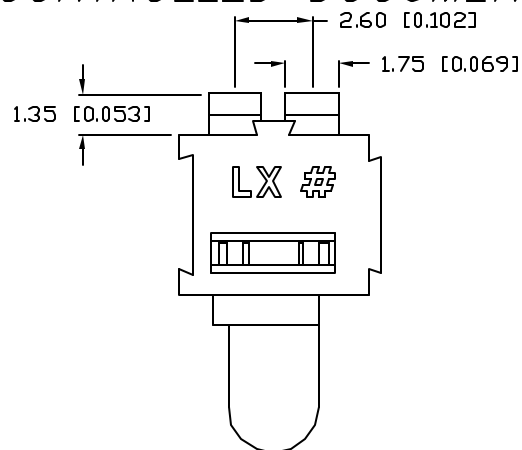
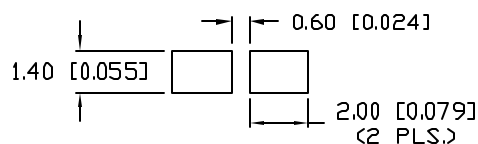


UNCONTROLLED DOCUMENT



RECOMMENDED SOLDER PAD LAYOUT



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005), LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN=+DECIMAL PRECISION -0.00, MAX.=+0.00 -DECIMAL PRECISION

PART NUMBER

SMF-HM1530YD-305

REV.

A

REV. E.C.N. NUMBER AND REVISION COMMENTS

A E.C.N. #10683.

DATE

11.29.00

PATENT PENDING

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

| PARAMETER          | MIN | TYP             | MAX | UNITS    | TEST COND            |
|--------------------|-----|-----------------|-----|----------|----------------------|
| PEAK WAVELENGTH    |     | 585             |     | nm       |                      |
| FORWARD VOLTAGE    |     | 2.1             | 2.5 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0 |                 |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |     | 30              |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |     | 60              |     | 2x theta |                      |
| EMITTED COLOR:     |     | YELLOW          |     |          |                      |
| EPOXY LENS FINISH: |     | YELLOW DIFFUSED |     |          |                      |

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                   |
| STEADY CURRENT                 | 30         | mA                   |
| POWER DISSIPATION              | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.6       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -40 TO +85 | $^\circ\text{C}$     |

\*  $t < 10\mu\text{s}$ 

## NOTES:

- SSL-LX3054YD, YELLOW LED, TRIM LEADS TO 5.35mm MAX.
- SMS-LXU1530, SURFACE MOUNT SOCKET.

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PART NUMBER

SMF-HM1530YD-305

SURFACE MOUNT SOCKET FAULT INDICATOR,

T-3mm (T-1) 585nm YELLOW LED, YELLOW DIFFUSED LENS.

## CONFIDENTIAL INFORMATION

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## RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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DATE: 3.23.00

PAGE: 1 OF 1

SCALE: N/A