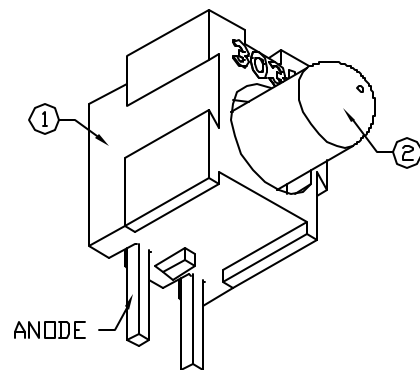
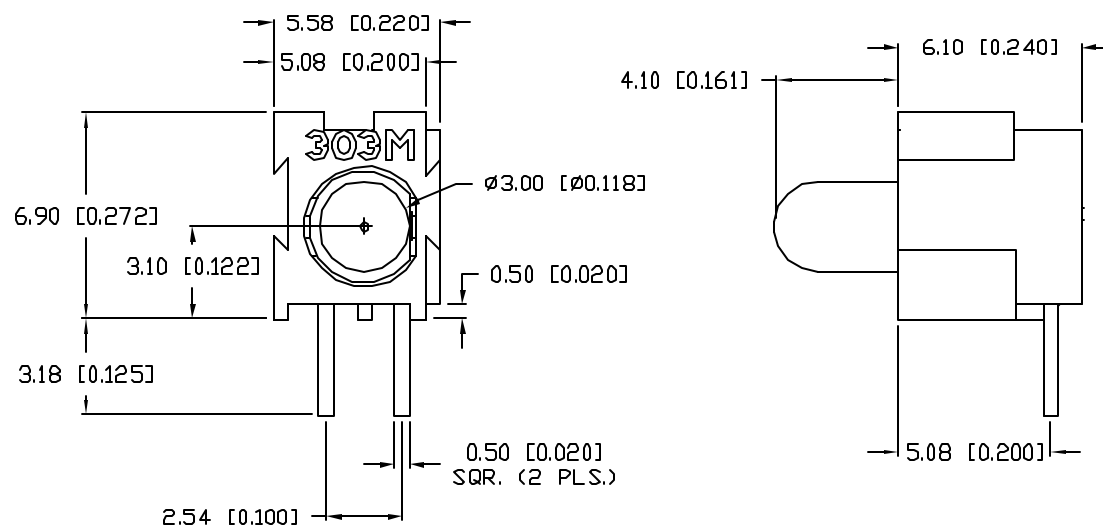


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REV.

SSF-LXH303MSYD



| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ |                 |     | $I_f=20\text{mA}$ |          |                      |
|----------------------------------------------------------|-----------------|-----|-------------------|----------|----------------------|
| PARAMETER                                                | MIN             | TYP | MAX               | UNITS    | TEST COND            |
| PEAK WAVELENGTH                                          |                 | 590 |                   | nm       |                      |
| FORWARD VOLTAGE                                          |                 | 2.0 | 2.5               | $V_f$    |                      |
| REVERSE VOLTAGE                                          | 5.0             |     |                   | $V_R$    | $I_R=100\mu\text{A}$ |
| AXIAL INTENSITY                                          |                 | 100 |                   | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                            |                 | 6D  |                   | 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, STORAGE TEMP.         | -40 TO +85 | °C         |
| SOLDERING TEMP.                  | +260       | °C         |
| 2.0mm FROM BODY                  |            | 3 SEC. MAX |

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

NOTES:

1. SSH-LXH303M HOLDER.
2. SSL-LX30445YD.



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\*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.=+0.00  
-0.00 DECIMAL PRECISION MAX.=+0.00  
-0.00 DECIMAL PRECISION

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T-3mm (T-1) MATING, RIGHT ANGLE FAULT INDICATOR,  
590nm SUPER YELLOW LED, YELLOW DIFFUSED.

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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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SCALE: N/A

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