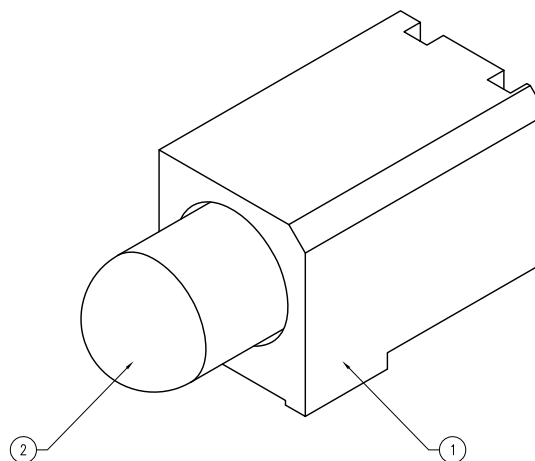
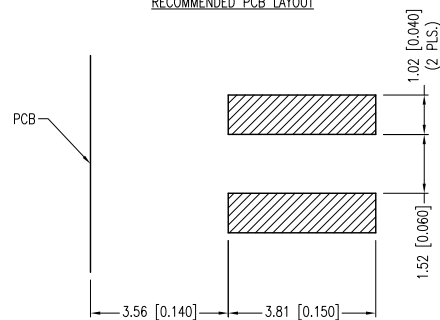


CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

RECOMMENDED PCB LAYOUT

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

| PARAMETER | MIN | TYP | MAX | UNITS | UNITS |
|-----------------------|---------------|-----|-----|----------------|-----------------------------|
| PEAK WAVELENGTH (G/R) | | 470 | | nm | |
| FORWARD VOLTAGE (G/R) | | 3.5 | 4.0 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | I _r =100 μ A |
| AXIAL INTENSITY (G/R) | | 120 | | mcd | I _f =20mA |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | BLUE | | | | |
| EPOXY LENS FINISH: | BLUE DEFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 100 | mA |
| STEADY CURRENT (G/R) | 30 | mA |
| POWER DISSIPATION | 98 | mW |
| DERATE FROM 25°C | -1.6 | mW/°C |
| OPERATING TEMP. | -40 TO +85 | °C |

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

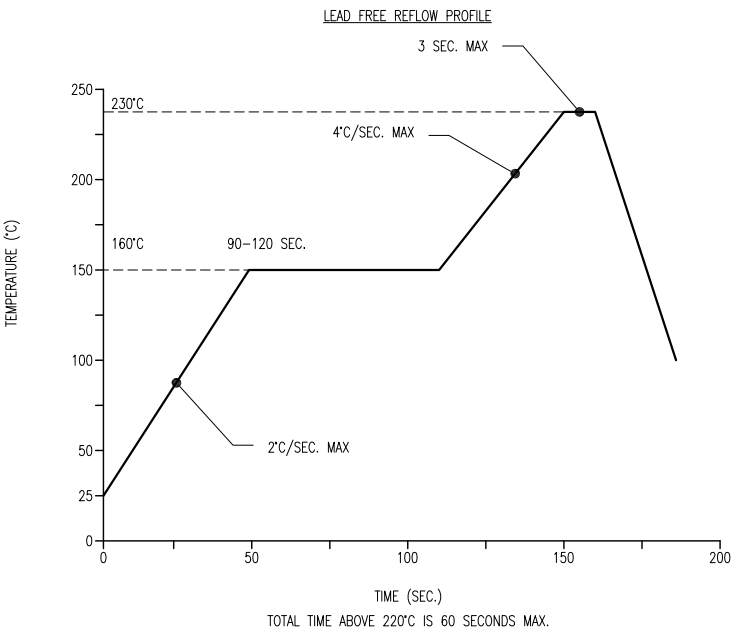
NOTES:

- SSH-LXH306 HOLDER, BLACK NYLON.
- SSL-LX308F4SUSBD LED

PROPRIETRY DESIGN

UNCONTROLLED DOCUMENT

*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



*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}_{-0.00} MAX.= ^{+0.00}_{-DECIMAL PRECISION}

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