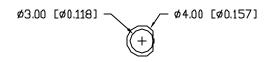
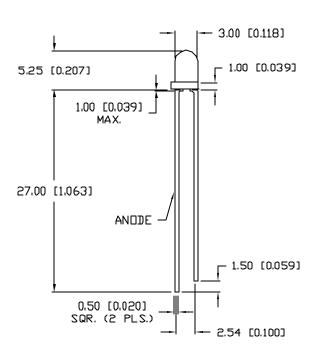
SSL-LX3054HD-12V







| ELECTRO-OPTICAL CH | ARACTERISTICS T | A=25°C | V _f =12 | <u> </u> | |
|--------------------|-----------------|--------|--------------------|----------|-------------|
| PARAMETER | MIN | TYP | MAX | UNIT\$ | TEST COND |
| PEAK WAVELENGTH | | 700 | | nm | |
| FORWARD VOLTAGE | | 12.0 | 14.0 | V_{f} | |
| reverse voltage | 5.0 | | | V_r | ابر100µA |
| AXIAL INTENSITY | | 2 | | mcd | $V_f = 12V$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | RED DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS | |
|--------------------------|--------------|------------|--|
| PEAK FORWARD VOLTAGE | 14 | ٧ | |
| STEADY CURRENT | 12 | mA | |
| POWER DISSIPATION | 310 | mW | |
| DERATE FROM 25°C | - 1.6 | mW∕°C | |
| OPERATING, STORAGE TEMP. | - 40 TO + 85 | ' C | |
| SOLDERING TEMP. | + 260 | ' C | |
| 2.0mm FROM BODY | | 3 SEC. MAX | |

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL 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= +DECINAL PRECISION MAX.= +0.00 (±0.000), MIN= +DECIN

PART NUMBER

SSL-LX3054HD-12V

T-3mm (T-1) 700nm RED LED,
RED DIFFUSED LENS, 12 VOLT OPERATION.

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RELABILITY 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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