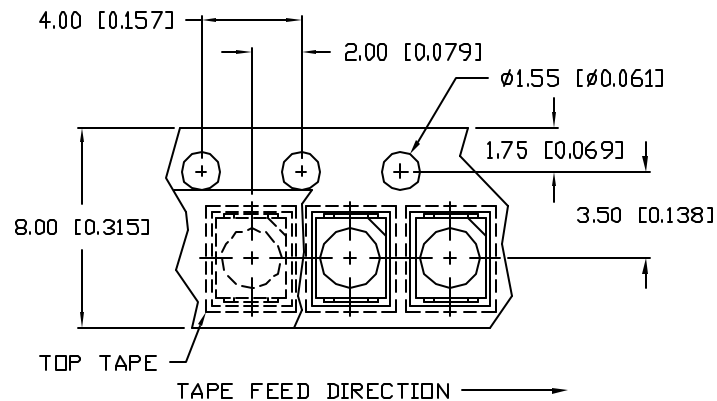
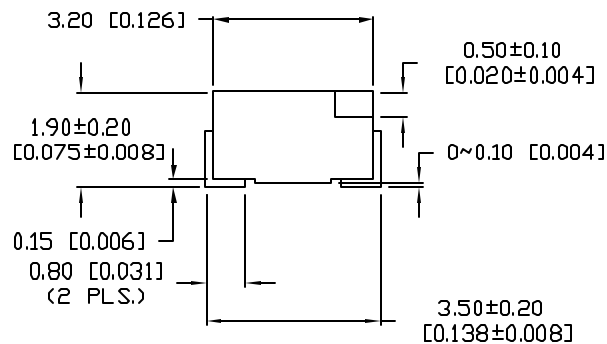
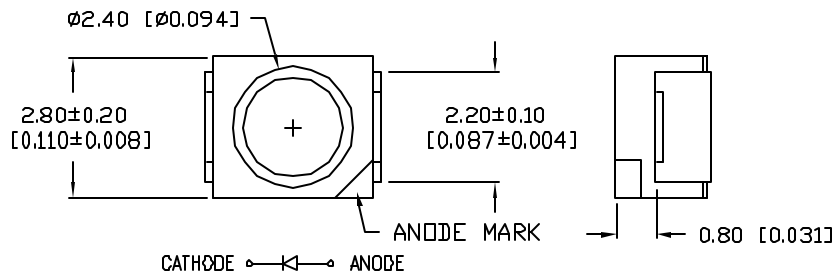
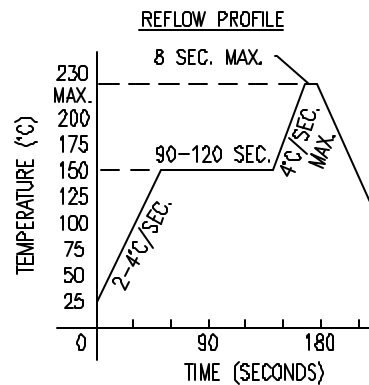


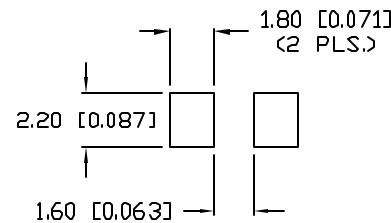


REPLACES PART #:SML-LX2832SRC/C(-TR)

\*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



## RECOMMENDED SOLDER PAD LAYOUT

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

| PARAMETER          | MIN             | TYP | MAX | UNITS    | TEST COND            |
|--------------------|-----------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH    |                 | 660 |     | nm       |                      |
| FORWARD VOLTAGE    |                 | 1.7 | 2.2 | $V_f$    |                      |
| REVERSE VOLTAGE    | 4.0             |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                 | 100 |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                 | 120 |     | 2x theta |                      |
| EMITTED COLOR:     | RED             |     |     |          |                      |
| EPOXY LENS FINISH: | RED TRANSPARENT |     |     |          |                      |

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

| PARAMETER                      | MAX        | UNITS |
|--------------------------------|------------|-------|
| PEAK FORWARD CURRENT*          | 200        | mA    |
| STEADY CURRENT                 | 30         | mA    |
| POWER DISSIPATION              | 110        | mW    |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/°C |
| OPERATING TEMP.                | -30 TO +85 | °C    |
| STORAGE TEMP.                  | -40 TO +85 | °C    |

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

## NOTES:

- 2,000 PIECES PER REEL.
- THE ANODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

## CAUTION: MOISTURE SENSITIVE DEVICE

- SHELF LIFE IN SEALED BAG: 12 MONTHS AT  $<40^\circ\text{C}$  AND  $<90\%$  RELATIVE HUMIDITY (RH).
- AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE MOUNTED WITHIN 48 HOURS OR STORED AT  $<30\%$  RH.

2.8mm x 3.2mm SURFACE MOUNT LED WITH REFLECTOR,  
660nm SUPER RED LED, WATER CLEAR LENS,  
2,000 PER TAPE AND REEL.

## 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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