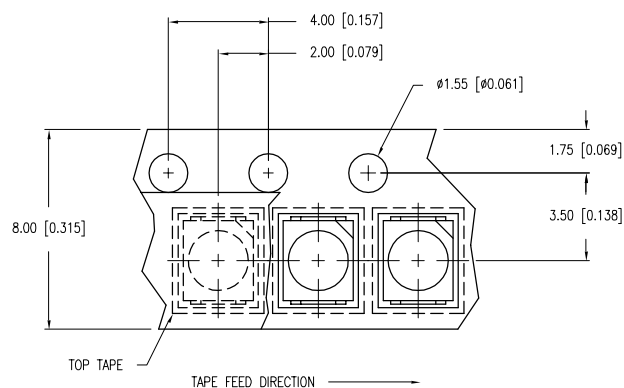
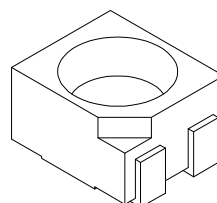
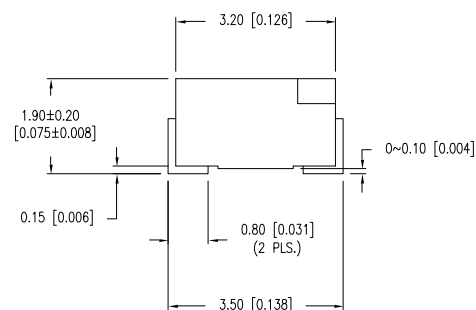
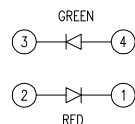
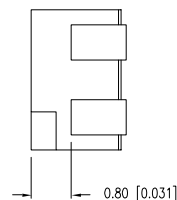
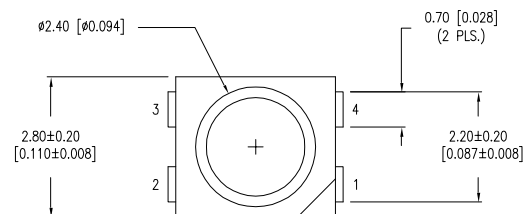
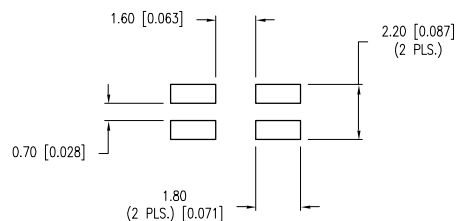




## RECOMMENDED SOLDER PAD LAYOUT

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

| PARAMETER          | COLOR       | MIN      | TYP       | MAX     | UNITS     | TEST COND              |
|--------------------|-------------|----------|-----------|---------|-----------|------------------------|
| PEAK WAVELENGTH    |             |          | 636       |         | nm        |                        |
|                    |             |          | 525       |         | nm        |                        |
| FORWARD VOLTAGE    | (R/G)       |          | 2.2/3.2   | 2.8/4.0 | $V_f$     |                        |
| REVERSE VOLTAGE    |             | 5.0      |           |         | $V_r$     | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY    | (R/G)       | 1000/700 | 1600/1200 |         | mcd       | $I_f = 20\text{mA}$    |
| VIEWING ANGLE      |             |          | 120       |         | $2\theta$ |                        |
| EMITTED COLOR:     | RED/GREEN   |          |           |         |           |                        |
| EPOXY LENS FINISH: | WATER CLEAR |          |           |         |           |                        |

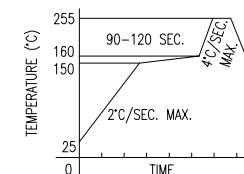
LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER DIE

| PARAMETER                      | MAX            | UNITS                |
|--------------------------------|----------------|----------------------|
| PEAK FORWARD CURRENT* (R/G)    | 150/100        | mA                   |
| STEADY CURRENT (R/G)           | 50/30          | mA                   |
| POWER DISSIPATION (R/G)        | 140/120        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2           | mW/ $^\circ\text{C}$ |
| OPERATING TEMP.                | $-40$ TO $+85$ | $^\circ\text{C}$     |
| STORAGE TEMP.                  | $-40$ TO $+85$ | $^\circ\text{C}$     |

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

## LEAD FREE REFLOW PROFILE

10 SEC. MAX.

TOTAL TIME ABOVE  $220^\circ\text{C}$  IS 60 SECONDS MAX.

## NOTES:

- THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 2 STANDARDS

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



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2.8mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, 636nm/525nm LED, WATER CLEAR LENS, 1.5k PER REEL

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

## CONFIDENTIAL INFORMATION

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| PAGE:  | 1 OF 1    | CHKD BY:  | BC   |
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