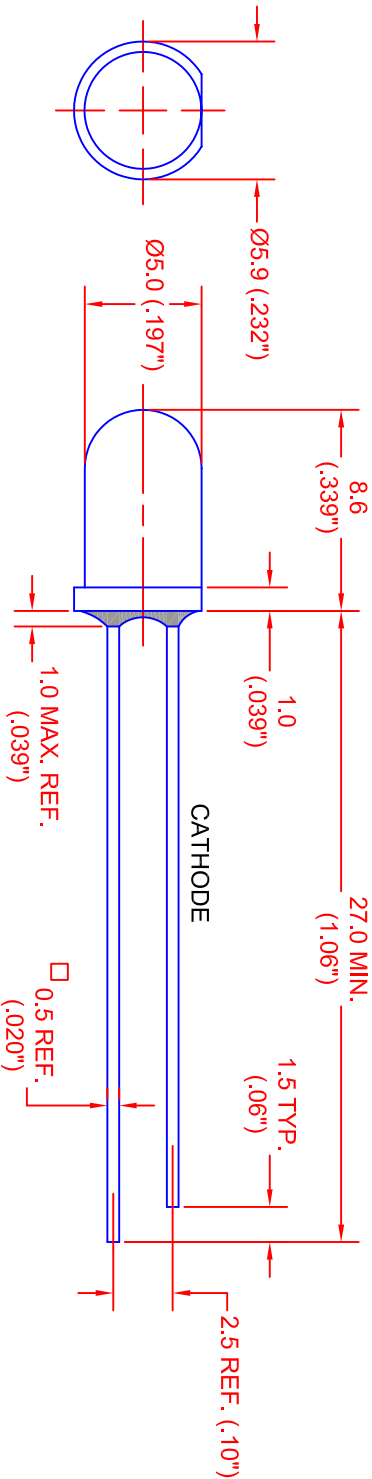


| REV. | DESCRIPTION/ECO NO. | DATE     |
|------|---------------------|----------|
|      | RELEASED            | 10/10/08 |
|      |                     |          |
|      |                     |          |
|      |                     |          |



ELECTRICAL & OPTICAL CHARACTERISTICS

| JKL PART NUMBER | FORWARD VOLTAGE (DC) |      | FORWARD CURRENT (mA)* |      | OPERATING TEMP. (C) |      | INTENSITY mcd** |      | PEAK WAVELENGTH nm | COLOR                         |                   | TYP. VIEWING 1/2 ANGLE DEGREE |
|-----------------|----------------------|------|-----------------------|------|---------------------|------|-----------------|------|--------------------|-------------------------------|-------------------|-------------------------------|
|                 | TYP.                 | MAX. | TYP.                  | MAX. | MIN.                | MAX. | MIN.            | TYP. |                    | LED SOURCE (DICE)             | LENS TYPE         |                               |
| Z-2221RE        | 2.0                  | 2.5  | 20.0                  | 25.0 | -40                 | +85  | 2.0             | 3.2  | 700                | BRIGHT RED Gap                | RED DIFFUSED      | 120                           |
| Z-2221RH        | 2.0                  | 2.5  | 20.0                  | 25.0 | -40                 | +85  | 8.0             | 20.0 | 625                | HIGH EFFICIENCY RED GaAsP/Gap | RED DIFFUSED      | 120                           |
| Z-2221G         | 2.2                  | 2.5  | 20.0                  | 25.0 | -40                 | +85  | 8.0             | 20.0 | 565                | GREEN Gap                     | GREEN DIFFUSED    | 120                           |
| Z-2221A         | 2.1                  | 2.5  | 20.0                  | 25.0 | -40                 | +85  | 8.0             | 20.0 | 585                | AMBER GaAsP/Gap               | AMPER DIFFUSED    | 120                           |
| Z-2221O         | 2.0                  | 2.6  | 20.0                  | 25.0 | -40                 | +85  | 8.0             | 20.0 | 610                | ORANGE GaAsP/Gap              | ORANGE DIFFUSED   | 120                           |
| Z-2221Y         | 2.1                  | 2.5  | 20.0                  | 25.0 | -40                 | +85  | 8.0             | 20.0 | 590                | YELLOW GaAsP/Gap              | YELLOW DIFFUSED   | 120                           |
| Z-2222G         | 2.2                  | 2.5  | 20.0                  | 25.0 | -40                 | +85  | 32.0            | 80.0 | 565                | GREEN Gap                     | GREEN TRANSPARENT | 16                            |
| Z-2223G         | 2.2                  | 2.5  | 20.0                  | 25.0 | -40                 | +85  | 32.0            | 80.0 | 565                | GREEN Gap                     | WATER CLEAR       | 16                            |

\* CONTINUOUS-DUTY RATING

\*\* INTENSITY VALUES ARE AT TYPICAL FORWARD CURRENT OF 10mA

NOTE: ELECTRO STATIC DISCHARGE PROTECTION REQUIRED WHEN HANDLING DEVICES.

| METRIC                                            |                  |                  | DIMENSIONS ARE IN MILLIMETERS (INCHES)                  |                   |                     | JKL COMPONENTS CORPORATION                                    |                              |                  |
|---------------------------------------------------|------------------|------------------|---------------------------------------------------------|-------------------|---------------------|---------------------------------------------------------------|------------------------------|------------------|
| <br>THIRD ANGLE PROJECTION                        |                  |                  | TOLERANCE UNLESS OTHERWISE SPECIFIED<br>±0.25mm (±0.01) |                   |                     | TITLE<br>T-1 3/4 (5mm) STANDARD STRAIGHT FRAME ROUND LED LAMP |                              |                  |
| DRAWN BY<br>L. WENGSTROM                          | APP'D BY<br>L.R. | DATE<br>10/10/08 | SIZE<br>A                                               | FSCM NO.<br>55335 | DRAWING NO.<br>Z-22 | SCALE<br>NONE                                                 | RELEASED<br>DATE<br>10/10/08 | REVISION<br>DATE |
| - CAD DRAWING -<br>MANUAL REVISIONS NOT PERMITTED |                  |                  |                                                         |                   |                     | REV.<br>NO.                                                   | SHEET<br>1 OF 1              |                  |