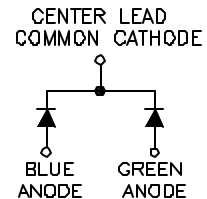
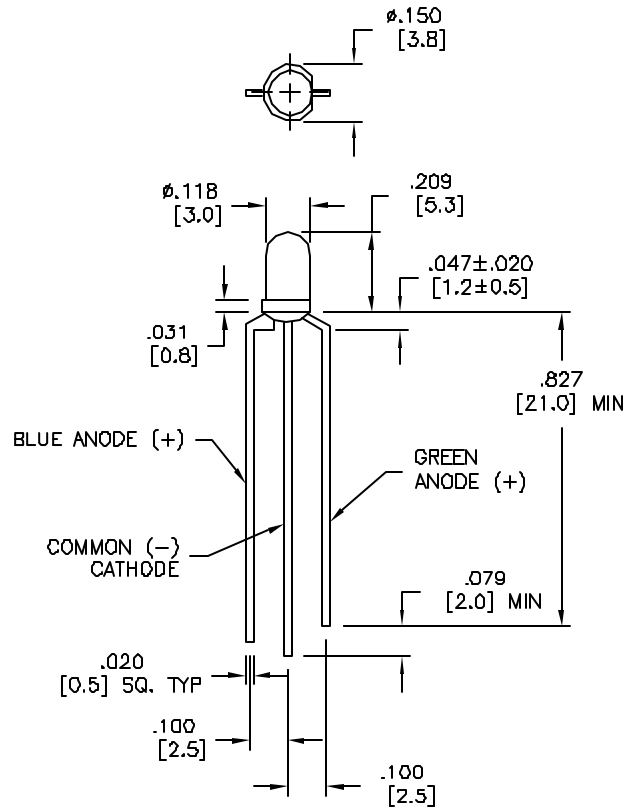


| LTR | REVISION | DATE     | APPD |
|-----|----------|----------|------|
| -   | RELEASED | 01-20-05 |      |



#### NOTES:

1. ALL DIMS ARE IN INCHES (MILLIMETERS).
2. TOLERANCE IS  $\pm 0.010"$  ( $\pm 0.25\text{mm}$ ) UNLESS OTHERWISE SPECIFIED.
3. LEAD SPACING IS MEASURED WHERE LEADS EMERGE FROM THE PACKAGE.
4. LEADS TO BE SOLDERABLE AND CAPABLE OF MEETING THE SOLDERABILITY REQUIREMENTS OF MIL-STD-202, METHOD 208.
5. MANUFACTURE DATE SHALL NOT BE OLDER THAN 26 WEEKS (6 MONTHS).

| LEDTRONICS<br>PART NO. | L.E.D.<br>RADIATION<br>COLOR | L.E.D.<br>APPEARANCE | ABSOLUTE MAXIMUM RATINGS ( $T_a=25^\circ\text{C}$ ) |                |             |            |                                |             | ELECTRO-OPTICAL CHARACTERISTICS ( $T_a=25^\circ\text{C}$ ) |                    |                             |                            |                       |                          |                        |
|------------------------|------------------------------|----------------------|-----------------------------------------------------|----------------|-------------|------------|--------------------------------|-------------|------------------------------------------------------------|--------------------|-----------------------------|----------------------------|-----------------------|--------------------------|------------------------|
|                        |                              |                      | $P_d$<br>mW                                         | $I_{fP}$<br>mA | $I_f$<br>mA | $V_r$<br>V | $T_{opr}$ ( $^\circ\text{C}$ ) | $I_f$<br>mA | $I_v$ med<br>typ                                           | $V_f=V$<br>typ/max | $V_{f\text{ max}}$<br>201/2 | $I_r$ max<br>$\mu\text{A}$ | $\Delta\lambda$<br>nm | $\lambda_{0.01\%}$<br>nm | $\lambda_{Peak}$<br>nm |
| L120TWPBUG1K-3C        | SUPER BLUE                   | WHITE<br>DIFFUSED    | 100                                                 | 100            | 30          | 5          | -40 TO +80                     | 20          | 150                                                        | 3.5/4.0            | 40                          | 100                        | 20                    | -                        | 470                    |
|                        | SUPER GREEN                  |                      | 80                                                  | 100            | 30          | 5          | -40 TO +80                     | 20          | 150                                                        | 2.2/2.6            | 40                          | 100                        | 30                    | -                        | 570                    |

$T_{stg}$ : -40°C TO +85°C

LEAD SOLDERING TEMP: [1.6mm (.063in) FROM BODY] 260°C FOR 5 SEC.

|                                                                                                                                                                                 |                                                                                                                                                                                                                                       |  |                                         |                          |                                       |                                   |                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--------------------------|---------------------------------------|-----------------------------------|------------------------------|
| <div><br/>LEDTRONICS, INC.<sup>TM</sup><br/>23105 KASHIWA COURT<br/>TORRANCE, CA 90505</div> | <div>-PROPRIETARY-<br/>This document contains Proprietary<br/>Information of LEDTRONICS, INC.<br/>It may not be copied, used or disclosed<br/>for any purpose without the prior express<br/>written consent of LEDTRONICS, INC.</div> |  | <div>TITLE<br/>L120TWPBUG1K-3C</div>    |                          |                                       |                                   |                              |
|                                                                                                                                                                                 | <div>.XXX ± .010 TOLERANCE PER ANSI-Y14.5<br/>.XX ± .025 (UNLESS OTHERWISE STATED)<br/>ANGLES ± 0°.30°<br/>FRACT. ± 1/32</div>                                                                                                        |  | <div>DWG NO<br/>DSDD0151</div>          |                          | <div>SCALE<br/>2:1</div>              | <div>SHEET<br/>1 OF 1</div>       | <div>DATE<br/>01-20-05</div> |
|                                                                                                                                                                                 |                                                                                                                                                                                                                                       |  | <div>CODE<br/>IDENT NO.<br/>8Z410</div> | <div>DWG BY<br/>RM</div> | <div>CHK BY<br/>PL<br/>02-15-05</div> | <div>QA<br/>GZ<br/>02-15-05</div> | <div>MFG</div>               |