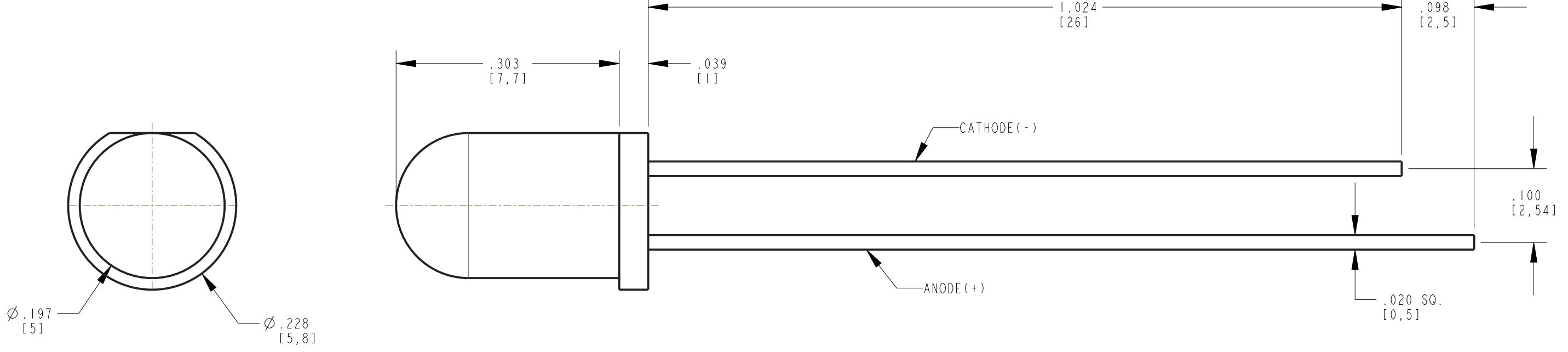


| REV | ECN NO | REVISIONS                      | DRN | CKD | APP | QA | CM | DATE    |
|-----|--------|--------------------------------|-----|-----|-----|----|----|---------|
| A   | 127925 | NEW RELEASE                    | LD  | CS  |     |    |    | 2-26-25 |
| B   | 130712 | ADDED HOLE PATTERN & SCHEMATIC | LD  | CS  |     |    |    | 6-11-25 |

## NOTES:

1. DIALIGHT PART NO:521-8765F
2. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.
3. THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS TO BE MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE (RoHS COMPLIANT).

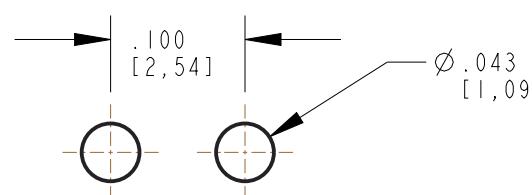


## OPERATING CHARACTERISTICS AT 25°C AMBIENT

| OPERATING CHARACTERISTICS AT 25°C AMBIENT |  |     |       |   |     |     |                          |     |                     |
|---|--|-----|-------|---|-----|-----|--------------------------|-----|---------------------|
| LED COLOR                                 | LUMINOUS INTENSITY (mcd) @ $I_F = 20\text{mA}$ |     |       | FORWARD VOLTAGE (V) @ $I_F = 20\text{mA}$ |     |     | DOMINANT WAVELENGTH (nm) |     | VIEWING ANGLE (deg) |
|   | MIN  | TYP | MAX   | MIN                                       | TYP | MAX | MIN                      | MAX |                     |
| RED                                       | 4800   | —   | 11800 | 1.8                                       | —   | 2.4 | 620                      | 630 | 30                  |

## ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT

| ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT                        |  | VALUE       | UNITS |
|---|--|-------------|-------|
| POWER DISSIPATION   |  | 75          | mW    |
| CONTINUOUS FORWARD CURRENT                                      |  | 30          | mA    |
| LINEAR DERATING FROM 25°C                                       |  | 0.35        | mA/°C |
| REVERSE VOLTAGE   |  | 5           | V     |
| LEAD SOLDERING TEMPERATURE [1.6mm (.063") FROM BODY] FOR 5 SEC. |  | 260         | °C    |
| OPERATING TEMPERATURE   |  | -40 TO +85  | °C    |
| STORAGE TEMPERATURE   |  | -40 TO +100 | °C    |



RECOMMENDED HOLE PATTERN



## LED SCHEMATIC



**ATTENTION:  
SERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES**

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DIALIGHT CORP INTERNAL REFERENCE ONLY : 3D MODEL : 5218765F-A.6

1.000 DRAWING NUMBER

REV

C-18800

B

ED. WATER CLEAR THRU HOLE

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