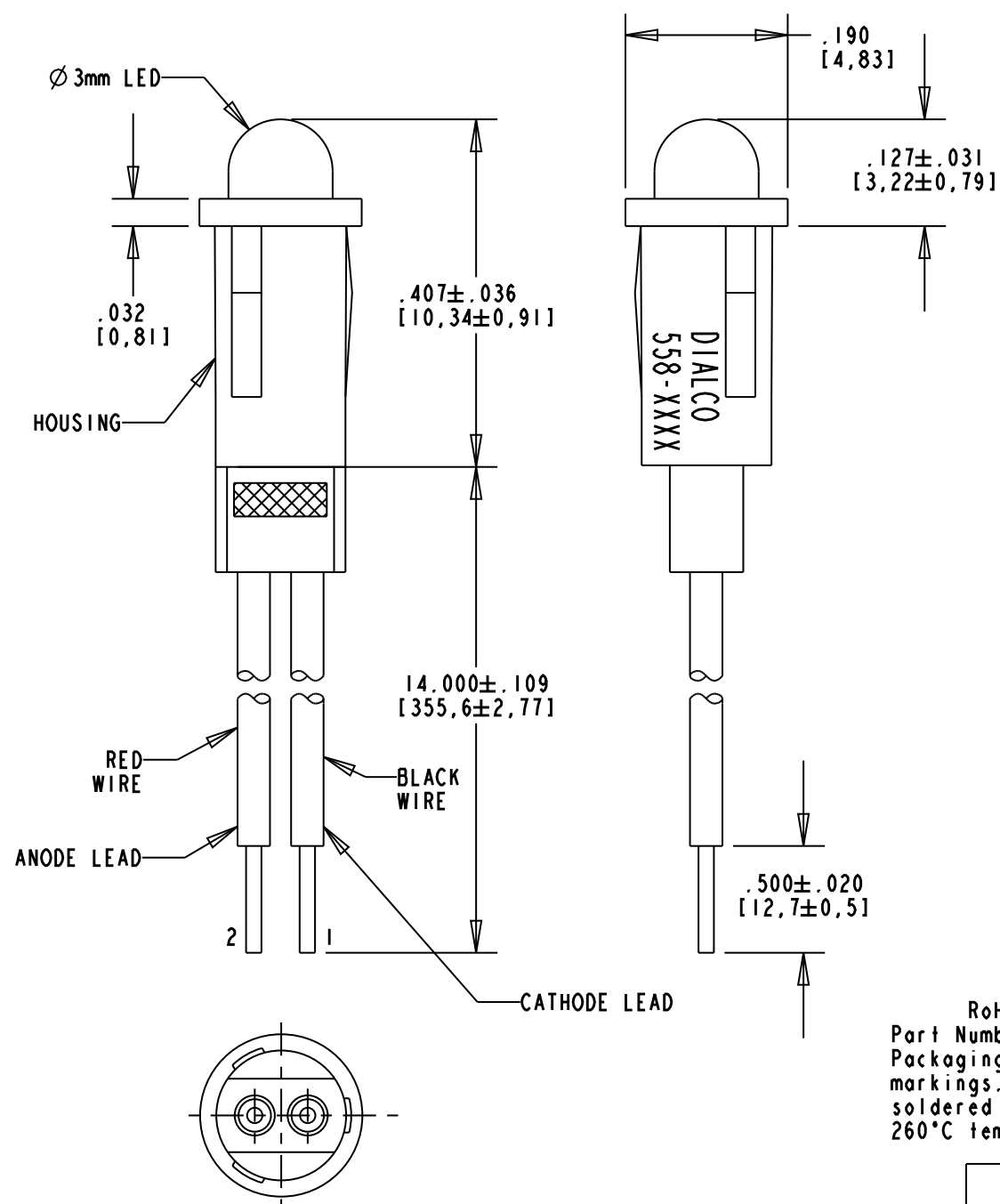


| OPERATING CHARACTERISTICS AT 25°C AMBIENT |                          |     |     |                           |                                   |     |     |                              |     |     |                               |     |     |                          |
|---|--------------------------|-----|-----|---------------------------|-----------------------------------|-----|-----|------------------------------|-----|-----|-------------------------------|-----|-----|--------------------------|
| PEAK WAVELENGTH (nm) TYP                  | DOMINANT WAVELENGTH (nm) |     |     | VIEWING ANGLE (°) 2 θ 1/2 | LUMINOUS INTENSITY (mcd) @ If=2mA |     |     | FORWARD VOLTAGE (V) @ If=2mA |     |     | FORWARD VOLTAGE (V) @ If=20mA |     |     | REVERSE CURRENT (μA) MAX |
|   | MIN                      | TYP | MAX |                           | MIN                               | TYP | MAX | MIN                          | TYP | MAX | MIN                           | TYP | MAX | MAX                      |
| 518                                       | 527                      | 531 | 535 | 100                       | 50                                | 85  | 110 | 1.9                          | 2.1 | 3.0 | 3.0                           | 3.5 | 4.0 | 100 @ Vr=5V              |

| REV | ECN NO | REVISIONS   | DRN | CKD | APP | DATE    |
|-----|--------|---|-----|-----|-----|---------|
| A   | —      | NEW RELEASE                                       | AJF | KLJ | CJC | 1-11-10 |
| B   | —      | LUMINOUS INTENSITY MIN. TYP. MAX. WERE "38,58,85" | AJF | KLJ | CJC | 8-2-10  |

| ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT                   | VALUES        | UNITS |
|--|---------------|-------|
| POWER DISSIPATION  | 120           | mW    |
| CONTINUOUS FORWARD CURRENT                                 | 30            | mA    |
| PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH) | 100           | mA    |
| DERATING LINEAR FROM 30°C                                  | 0.5           | mA/°C |
| REVERSE VOLTAGE  | 5             | V     |
| SOLDERING TEMPERATURE (.079" FROM BODY)                    | 260 FOR 5 SEC | °C    |
| OPERATING TEMPERATURE                                      | -25 TO +80    | °C    |
| STORAGE TEMPERATURE  | -30 TO +100   | °C    |



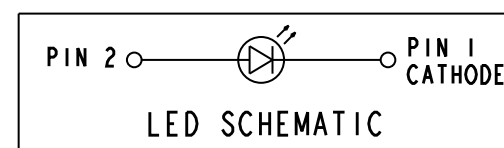
NOTES:

1. DIE: InGaN GREEN.
2. LENS: WHITE DIFFUSED.
3. REQUIRES EXTERNAL RESISTOR.
4. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
5. RECOMMENDED MOUNTING HOLE: .155-.158" DIA. ON PANELS .031-.062" THICK.
6. DIALIGHT PART NUMBER 558-6203-802F.
7. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

RoHS COMPLIANT 558-6203-802F  
 Part Numbers with the "F" suffix ending are RoHS Compliant. Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.



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



THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.

|   |   |          |
|---|---|----------|
| SCALE: DRAWING SCALE<br>ALL DIM'S IN: INCHES (MM)   | DRAWING NUMBER<br>C-17812                             | REV<br>B |
| TOLERANCES:<br>UNLESS OTHERWISE SPECIFIED<br>FRACTIONS: ±1/64<br>DECIMALS (.XX): ±.02<br>DECIMALS (.XXX): ±.015 | TITLE<br>SNAP-IN LED PMI                              |          |
| ANGLES: ±3°<br>FINISH:  | MATERIAL  |          |
| FSCM 83330  | Dialight 1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727 |          |
| SHEET 1 OF 1 FAMILY TABLE:  |   |          |