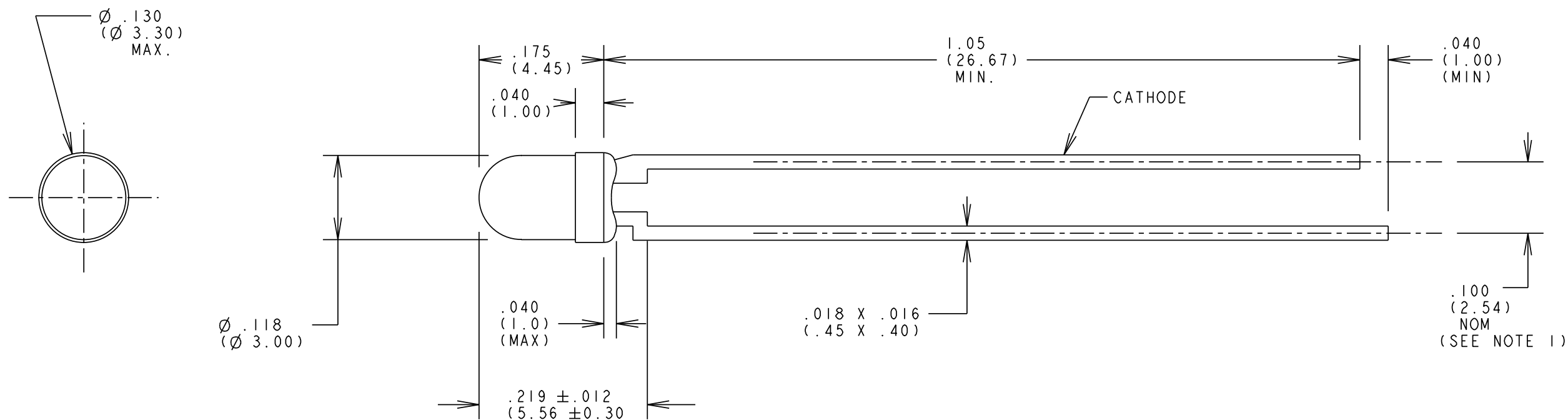


| REV | ECN NO | REVISIONS   | DRN | CKD | APP | QA | CM | DATE |
|-----|--------|-------------|-----|-----|-----|----|----|------|
| A   |        | NEW RELEASE | 00  |     |     |    |    |      |

- NOTES:
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
  - THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
  - SOLDER ADHERANCE: BOTH LEADS PER MIL. STD. 202E, METHOD 208C, EXCEPT STEAM AGING.
  - LED LEAD FINISH TIN(Sn)/NICKEL(Ni) ON COPPER(Cu).
  - LEDS PACKAGED IN BULK
  - PACKAGE TO HAVE LABEL SHOWING DIALIGHT PART NUMBER, QTY PER BAG, DATE CODE, COUNTRY OF ORIGIN, AND INTENSITY BIN, COLOR BIN AND LOT NUMBER. IF APPLICABLE
  - PART NUMBER WITH "F" SUFFIX ENDING IS RoHS COMPLIANT. THE BAG PACKAGING IS MARKED WITH "RoHS COMPLIANT" LABEL OR EQUIVALENT MARKINGS. PART CAN BE WAVE SOLDERED, DIP SOLDERED OR HAND SOLDERED USING TYPICAL LEAD-FREE SOLDERING PROCESS WITH MAX. 260°C TEMPERATURE

| DIALIGHT P/N | DIFFUSED LENS COLOR | PEAK EMISSION WAVELENGTH (nm) | DOMINANT WAVELENGTH (nm) TYP. | VIEWING ANGLE (°) 2 @ 1/2 | LUMINOUS INTENSITY (mcd) @ I <sub>f</sub> = 2 mA; 25°C |      | FORWARD VOLTAGE (V) @ I <sub>f</sub> = 2 mA; 25°C |      | REVERSE CURRENT (μA); 25°C | REVISIONS |      |          |
|--------------|---------------------|-------------------------------|-------------------------------|---------------------------|--|------|---|------|----------------------------|-----------|------|----------|
|              |                     |                               |                               |                           | MIN.   | TYP. | TYP.  | MAX. | MAX.                       | REV       | DRN. | DATE     |
| 521-9324F    | RED                 | 635                           | ---                           | 60                        | 1.0  | 1.6  | 1.7   | 2.2  | 10 @ V <sub>R</sub> = 5 V  | A         | 00   | 11-10-06 |
| 521-9326F    | GREEN               | 565                           | ---                           | 60                        | 1.0  | 1.6  | 1.9   | 2.2  | 10 @ V <sub>R</sub> = 5 V  | A         | 00   | 11-10-06 |
| 521-9325F    | YELLOW              | 591                           | 587                           | 60                        | 2.3  | 5.0  | 1.8   | 2.4  | 100 @ V <sub>R</sub> = 5 V | A         | 00   | 11-10-06 |



| ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT                  |                 |             |           | UNITS |
|--|-----------------|-------------|-----------|-------|
|  | 521-9324F       | 521-9326F   | 521-9325F |       |
| POWER DISSIPATION  | 20              | 20          | 75        | mW    |
| CONTINUOUS FORWARD CURRENT                                 | 7               | 7           | 30        | mA    |
| PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH) | 500             | 500         | 60        | mA    |
| REVERSE VOLTAGE  | 5               |             |           | V     |
| SOLDERING TEMPERATURE (.063/(1.60) FROM BODY               | 260°C FOR 5 SEC |             |           | °C    |
| OPERATING TEMPERATURE                                      | -55 TO +100     | -40 TO +100 |           | °C    |
| STORAGE TEMPERATURE  | -55 TO +100     |             |           | °C    |



**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-17441                                 | REV<br>A |
| TOLERANCES:<br>UNLESS OTHERWISE SPECIFIED<br>FRACTIONS: ±1/64<br>DECIMALS (.XX): ±.01<br>DECIMALS (.XXX): ±.005<br>DECIMALS (.XXXX): ±.0005<br>ANGLES: ±1°  | TITLE<br>3mm Ø DIFFUSED LED<br>low current ROHS COMPLIANT |          |
| FINISH:   | MATERIAL  |          |
| FSCM 83330  | Dialight<br>1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727  |          |
| SHEET 1 OF 1 FAMILY TABLE:  |   |          |