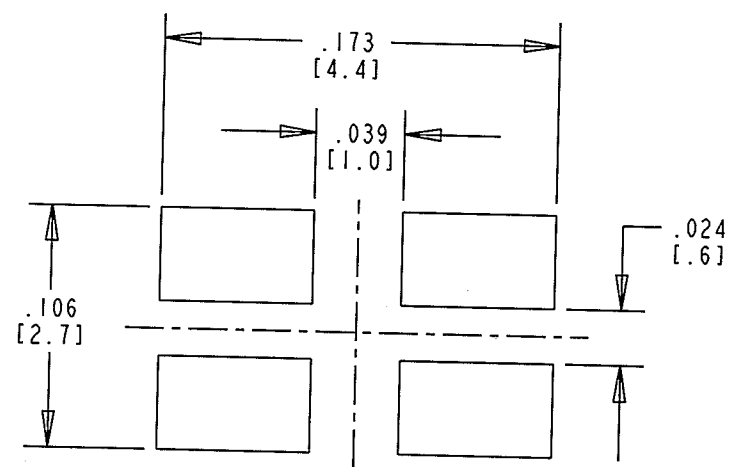


| REV | ECN NO | REVISIONS | DRN | CKD | APP | DATE |
|-----|--------|---|-----|------|-----|--------|
| A | | NEW RELEASE | SM | N.O. | MES | |
| B | | "YELLOW ANODE" WAS "RED ANODE" AND "YELLOW CATHODE" WAS "RED CATHODE" IN ERROR; CATHODE MARK WAS DISPLAYED TOWARDS REEL SPROCKET HOLES IN ERROR; ADDED P/N 597-7721-502F (20 PC STRIP). | KLJ | | | 2/4/09 |



RECOMMENDED SOLDER LAND PATTERN
TOLERANCES: $\pm .004$

| OPERATING CHARACTERISTICS AT 25°C AMBIENT | | | | | | |
|---|--------------|-----|-----|-----|---------------|-----------------------|
| LED CHARACTERISTICS | COLOR | MIN | TYP | MAX | UNITS | TEST CONDITIONS |
| LUMINOUS INTENSITY | YELLOW GREEN | 3.6 | 6.3 | 9.0 | mcd | $I_F = 20 \text{ mA}$ |
| FORWARD VOLTAGE | YELLOW GREEN | | 2.1 | 2.8 | V | $I_F = 20 \text{ mA}$ |
| REVERSE CURRENT | YELLOW GREEN | | | 100 | μA | $V_R = 4 \text{ V}$ |
| PEAK WAVELENGTH | YELLOW GREEN | | 585 | 570 | nm | |
| DOMINANT WAVELENGTH | YELLOW GREEN | 582 | 589 | 596 | nm | |
| VIEWING ANGLE (2 θ 1/2) | YELLOW GREEN | | 100 | | DEGREE | |

| ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT | | | YELLOW | GREEN | UNITS |
|---|--|--|------------|-------|-------|
| POWER DISSIPATION | | | 60 | | mW |
| CONTINUOUS FORWARD CURRENT | | | 25 | | mA |
| PEAK FORWARD CURRENT (PULSE WIDTH 1 ms, DUTY 20%) | | | 60 | | mA |
| REVERSE VOLTAGE | | | 4 | | V |
| OPERATING TEMPERATURE | | | -30 TO +85 | | °C |
| STORAGE TEMPERATURE | | | -40 TO +85 | | °C |

- NOTES:
- EPOXY COLOR: WATER CLEAR.
 - DIE: YELLOW GaAsP ON GaP; GREEN GaP.
 - LEADS: GOLD PLATED.
 - SOLDER ADHERANCE: BOTH LEADS PER MIL. STD. 202E, METHOD 208C.
 - PARTS TO BE TAPED AND REELED PER EIA-481-1 SPEC.
 - 502F SUFFIX ENDING: 20 PCS SAMPLE STRIP
-507F SUFFIX ENDING: 2500 PCS PER REEL WITH ALL PARTS ON ONE REEL FROM SAME LOT AND SAME BIN CATEGORY.
 - LABELING: REELS IDENTIFIED WITH DIALIGHT P/N, QUANTITY, DATE CODE, AND INTENSITY BIN CATEGORY.
 - TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER 12 MONTHS.
 - DIALIGHT PART NUMBER: 597-7721-502F, 597-7721-507F
 - THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

RoHS Compliant 597-7721-502F, -507F SMT LED

Part Numbers with the "F" suffix ending are RoHS Compliant. Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be reflow soldered per RoHS reflow profile, wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 10-20 sec.

| | | |
|---|--|----------|
| 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 ALL DIM'S IN: INCHES (MM) | DRAWING NUMBER C-17525 | REV B |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: $\pm 1/64$ DECIMALS (.XX): $\pm .01$ DECIMALS (.XXX): $\pm .008$ | TITLE YELLOW/GREEN BI COLOR SMT LED | |
| ANGLES: $\pm 1^\circ$ FINISH: | MATERIAL | |
| FSCM 83330 | Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 | |
| SHEET 1 OF 1 FAMILY TABLE | | |