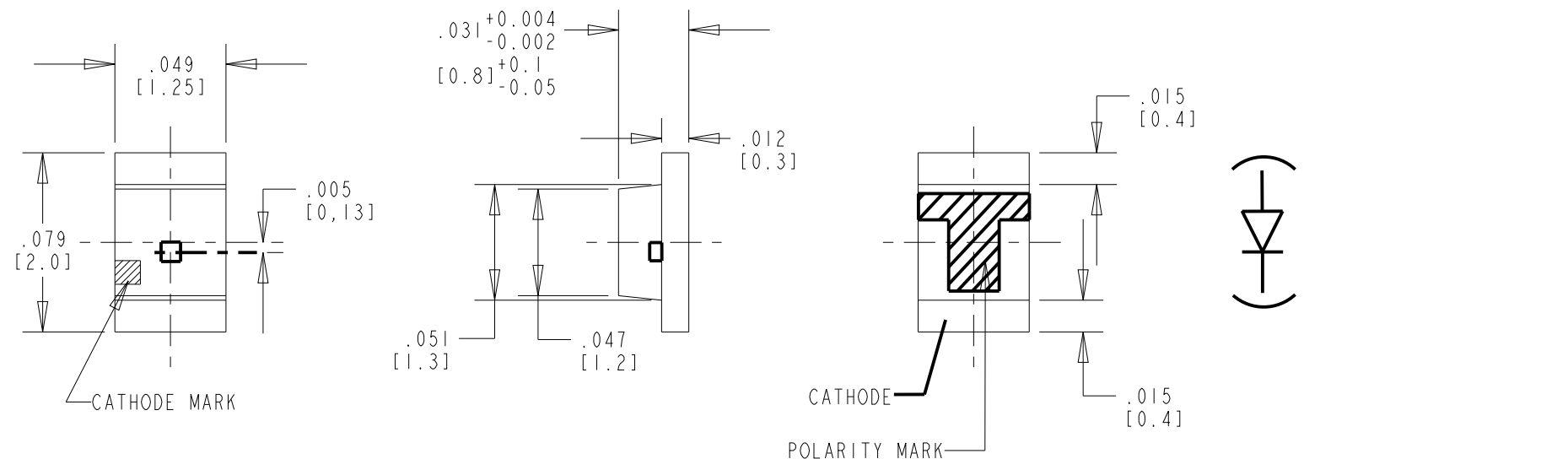


OPERATING CHARACTERISTICS AT 25 °C AMBIENT

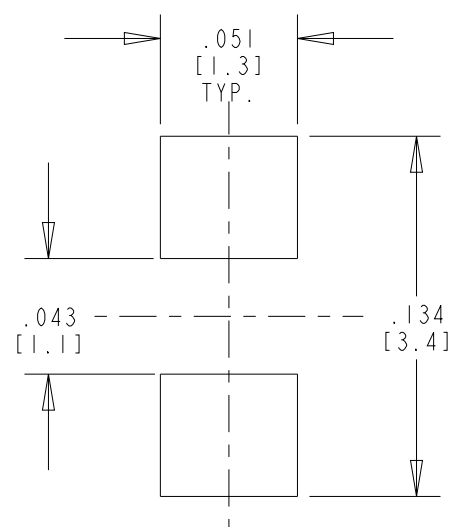
| DIALIGHT P/N | LED COLOR | DIE MATERIAL | EPOXY COLOR | I _F (mA) | FORWARD VOLTAGE (V) | | LUMINOUS INTENSITY (mcd) | | | REVERSE CURRENT (μA) (@ V _R = 5 V) | PEAK WAVELENGTH (nm) | DOMINANT WAVELENGTH (nm) | | | VIEWING ANGLE (2θ 1/2) (DEGREES) |
|----------------|-----------|--------------|-------------|---------------------|---------------------|------|--------------------------|------|------|---|----------------------|--------------------------|------|------|----------------------------------|
| | | | | | TYP. | MAX. | MIN. | TYP. | MAX. | MAX. | | MIN. | TYP. | MAX. | |
| 597-3212-407NF | ORANGE | AlGaInP | MILKY WHITE | 20 | 1.9 | 2.4 | 82 | 110 | 150 | 100 | 609 | 603 | 605 | 609 | 140 |

| REV | ECN NO | REVISIONS | DRN | CKD | APP | DATE |
|-----|--------|-------------|-----|-----|-----|----------|
| A | | NEW RELEASE | RSK | WFB | NO | 11/20/14 |

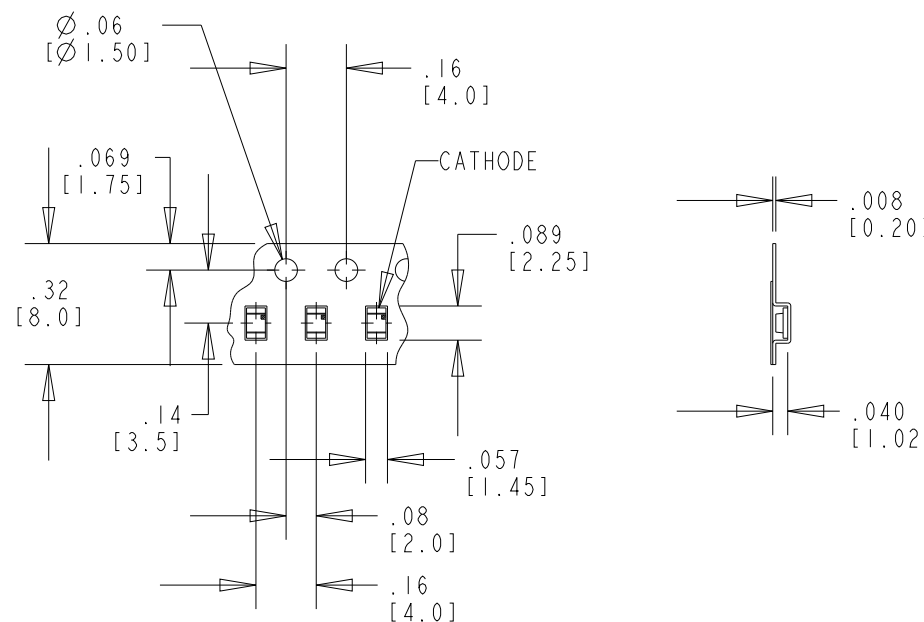


NOTES:

- PARTS PACKAGED ON 180 mm DIA. REEL, 8 mm TAPE, 4000/REEL (SEE SKETCH).
- TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
- MOISTURE SENSITIVITY LEVEL: 3.
- PACKAGING TO INCLUDE LABEL CONTAINING DIALIGHT P/N, DATE CODE/LOT NO., LUMINOUS INTENSITY AND COLOR BINS, QTY/REEL, AND COUNTRY OF ORIGIN.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- DIALIGHT PART NUMBER: 597-3212-402NF (SAMPLE STRIP)
597-3212-407NF (TAPE AND REEL)



SOLDER PAD LAYOUT



TAPE & REEL SPECIFICATION
NO SCALE

| ABSOLUTE MAXIMUM RATING AT 25 °C AMBIENT | 597-3212-407NF | UNITS |
|--|----------------|-------|
| | ORANGE | |
| POWER DISSIPATION | 78 | mW |
| CONTINUOUS FORWARD CURRENT | 30 | mA |
| PEAK FORWARD CURRENT (< 1/20 DUTY CYCLE T _w < 1 msec) | 100 | mA |
| DERATE LINEAR FROM 75 °C | 1.0 | mA/°C |
| REVERSE VOLTAGE | 5 | V |
| OPERATING TEMPERATURE | -40 TO +100 | °C |
| STORAGE TEMPERATURE | -40 TO +105 | °C |

RoHS COMPLIANT 597-3212-40XNF

Part Numbers with the "F" suffix ending are RoHS Compliant. For example: 597-3212-402NF. Reel and bag packaging are marked with "RoHS Compliant" label or equivalent markings. These parts can be used with RoHS reflow profile. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 10 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-18125 | REV A |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED | TITLE SM 0805 ORANGE LED | |
| FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1° | MATERIAL | |
| FINISH: | Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 | |
| FSCM 83330 | SHEET 1 OF 1 FAMILY TABLE: | |