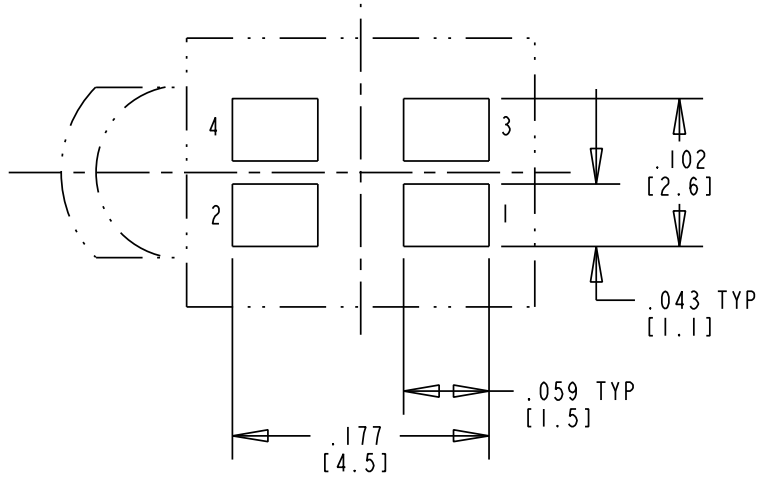
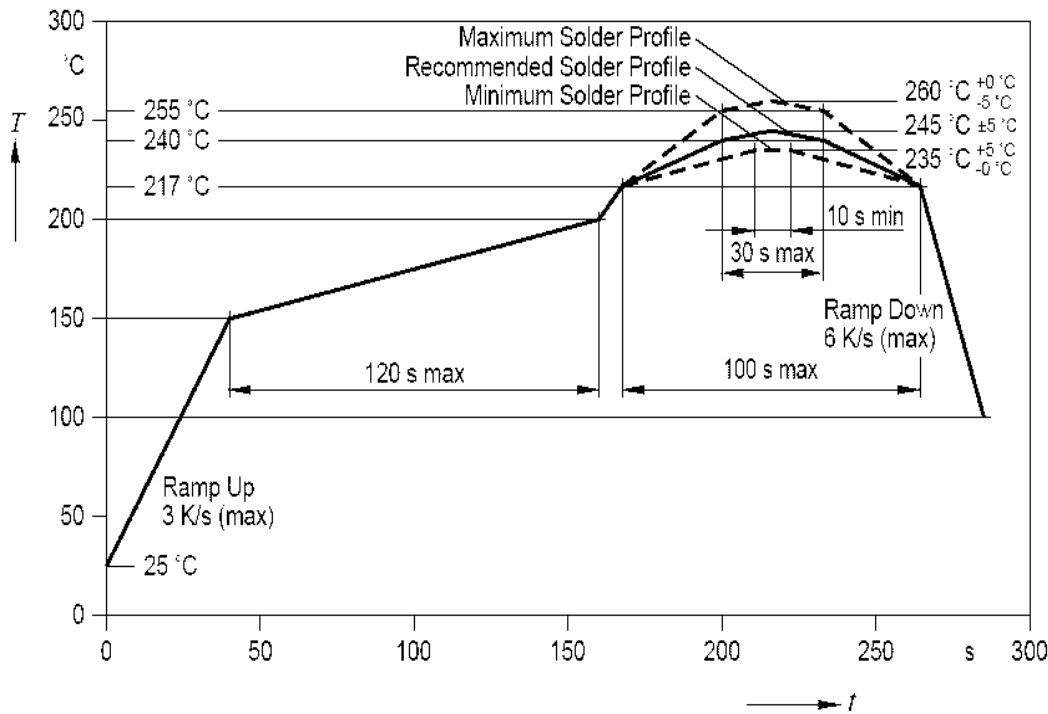
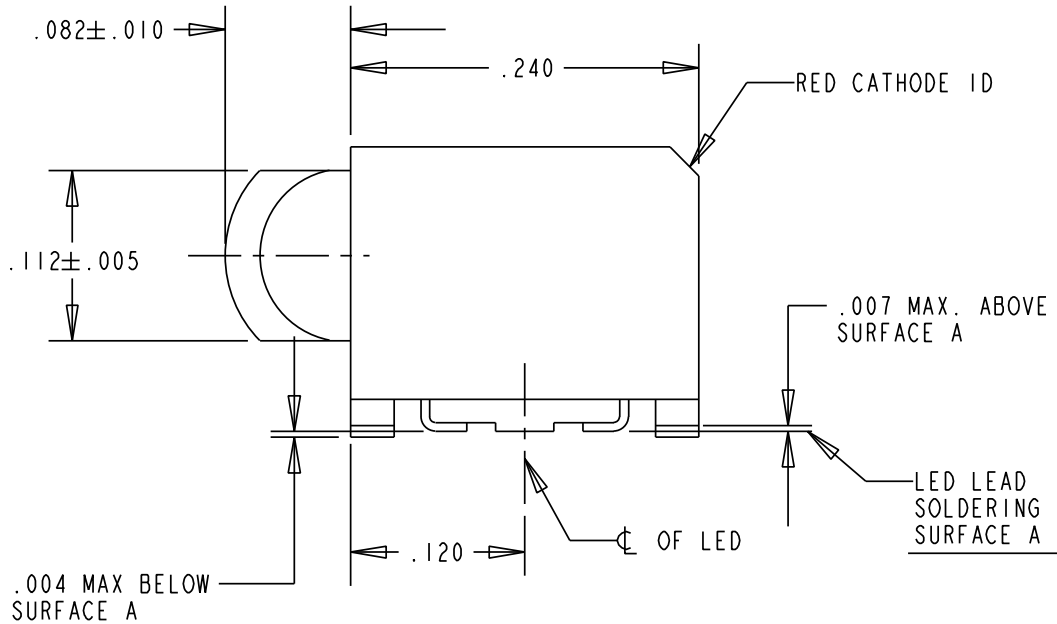
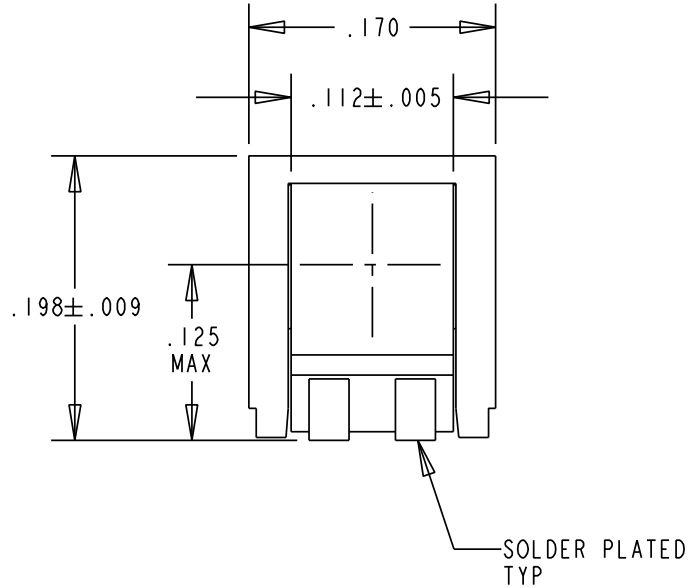


| BI-COLOR OPERATING CHARACTERISTICS AT T <sub>A</sub> = 25 °C AMBIENT |              |                        |                           |      |                                |      |                            |      |                            |                                |            |            |            |      |      |      |        |
|----------------------------------------------------------------------|--------------|------------------------|---------------------------|------|--------------------------------|------|----------------------------|------|----------------------------|--------------------------------|------------|------------|------------|------|------|------|--------|
| DIALIGHT<br>P/N                                                      | COLOR        | I <sub>F</sub><br>(mA) | FORWARD<br>VOLTAGE<br>(V) |      | LUMINOUS<br>INTENSITY<br>(mcd) |      | REVERSE<br>CURRENT<br>(μA) |      | PEAK<br>WAVELENGTH<br>(nm) | DOMINANT<br>WAVELENGTH<br>(nm) |            |            | REVISIONS  |      |      |      |        |
|                                                                      |              |                        | TYP.                      | MAX. | MIN.                           | TYP. | MAX.                       | TYP. |                            | MAX.                           | TYP.       | MIN.       | TYP.       | MAX. | REV. | ECN. | DRN.   |
| 591-3001-102F                                                        | RED<br>GREEN | 10                     | 2.0                       | 2.5  | 4.5                            | 11.3 | 18.0                       | .01  | 10                         | 635<br>572                     | 622<br>564 | 628<br>570 | 634<br>576 | A    | —    | TWC  | 8-8-05 |
| 591-3001-107F                                                        | RED<br>GREEN | 10                     | 2.0                       | 2.5  | 4.5                            | 11.3 | 18.0                       | .01  | 10                         | 635<br>572                     | 622<br>564 | 628<br>570 | 634<br>576 | A    | —    | TWC  | 8-8-05 |
| 591-3001-113F                                                        | RED<br>GREEN | 10                     | 2.0                       | 2.5  | 4.5                            | 11.3 | 18.0                       | .01  | 10                         | 635<br>572                     | 622<br>564 | 628<br>570 | 634<br>576 | A    | —    | TWC  | 8-8-05 |

| ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT | 591-3001-1XXF     |                   |                   | UNITS |
|-----------------------------------------|-------------------|-------------------|-------------------|-------|
|                                         | 102F<br>RED GREEN | 107F<br>RED GREEN | 113F<br>RED GREEN |       |
| POWER CONSUMPTION                       | 95                |                   |                   | mW    |
| CONTINUOUS FORWARD CURRENT              | 30                |                   |                   | mA    |
| REVERSE VOLTAGE                         | 5                 |                   |                   | V     |
| OPERATING TEMPERATURE                   | -40 TO +100       |                   |                   | °C    |
| STORAGE TEMPERATURE                     |                   |                   |                   |       |



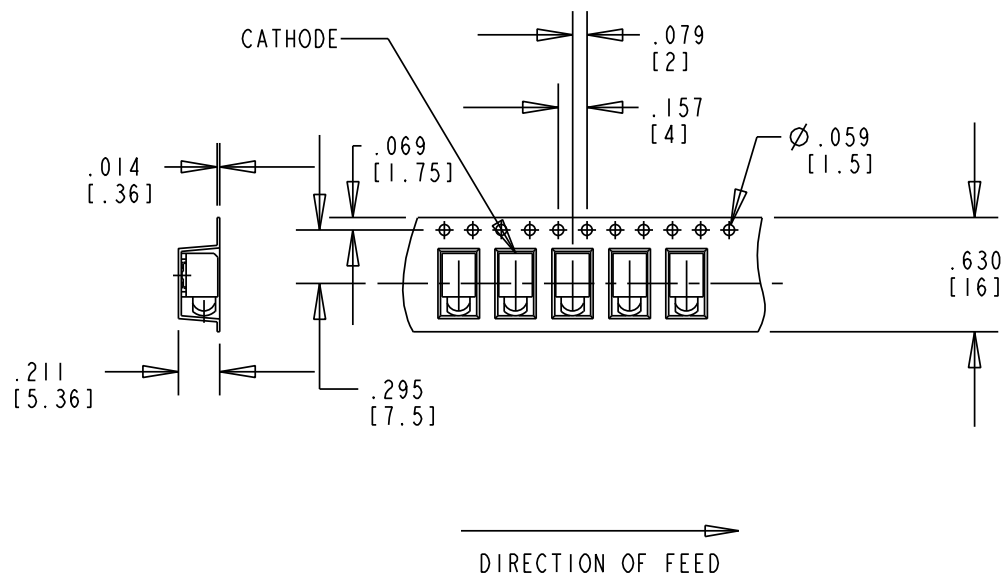
COMPONENT SIDE  
RECOMMENDED PC BOARD LAND PATTERN  
(DIM'S ± .004)



NOTES:

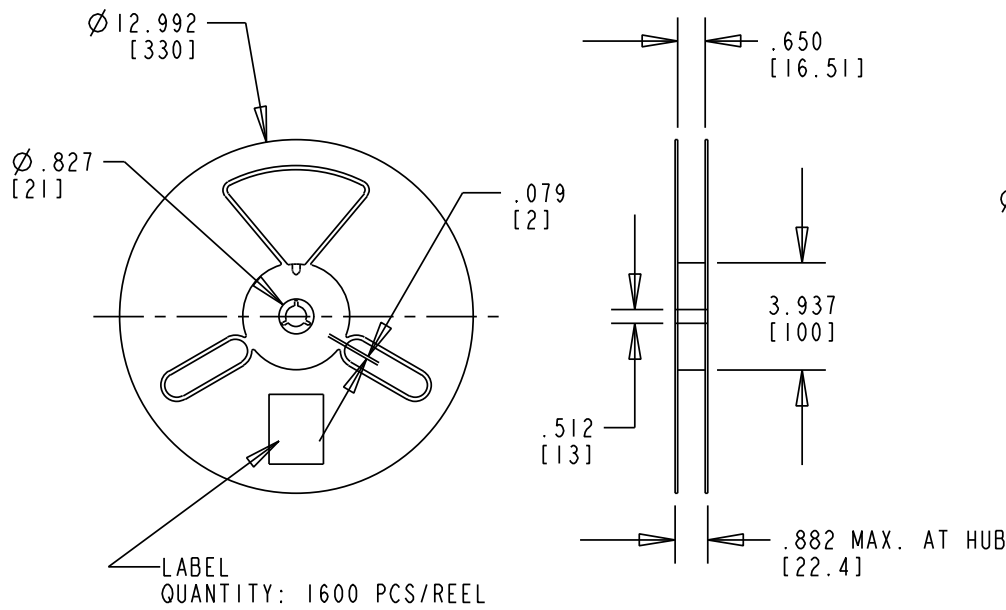
- MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.
- PAD NUMBERS FOR REFERENCE ONLY. DESIGNATION NON-EXISTENT ON PART.
- STORAGE CONDITIONS FOR TAPED PRODUCT: RE-TAPING MAY BE NECESSARY FOR PRODUCT STORED MORE THAN TWELVE MONTHS.
- LEADS: TIN (Sn) OVER NICKEL (Ni) ON COPPER ALLOY (Cu)
- ORDER QUANTITY IS LED ASSEMBLIES. NOT REELS.
- 102F SUFFIX MEANS PARTS ARE PACKED ON A 20 PCS SAMPLE STRIP.  
-107F SUFFIX MEANS PARTS ARE PACKED ON 7 INCH REEL, 400 PCS/REEL.  
-113F SUFFIX MEANS PARTS ARE PACKED ON A 13 INCH REEL, 1600 PCS/REEL.
- LENS MOVEMENT IN RELATIONSHIP TO THE HOUSING IS:  
.009" T.I.R. VERTICALLY.  
.007" T.I.R. HORIZONTALLY.
- FRONT AND REAR TERMINALS OF ASSEMBLY TO BE WITHIN .005 COPLANARITY.
- DIALIGHT PART NUMBER: 591-3001-102F, 591-3001-107F, 591-3001-113F.
- DEVICE HAS A MOISTURE SENSITIVITY LEVEL "2" CAUTION LABEL APPLIED AS PER JEDEC STD. 033.
- THIS PRODUCT IS RoHS COMPLIANT (Pb FREE). EACH BAG AND REEL IS MARKED WITH THE RoHS COMPLIANT LABEL P/N 9100-117-0852-99 OR EQUIVALENT MARKINGS.

TAPING SPECIFICATION

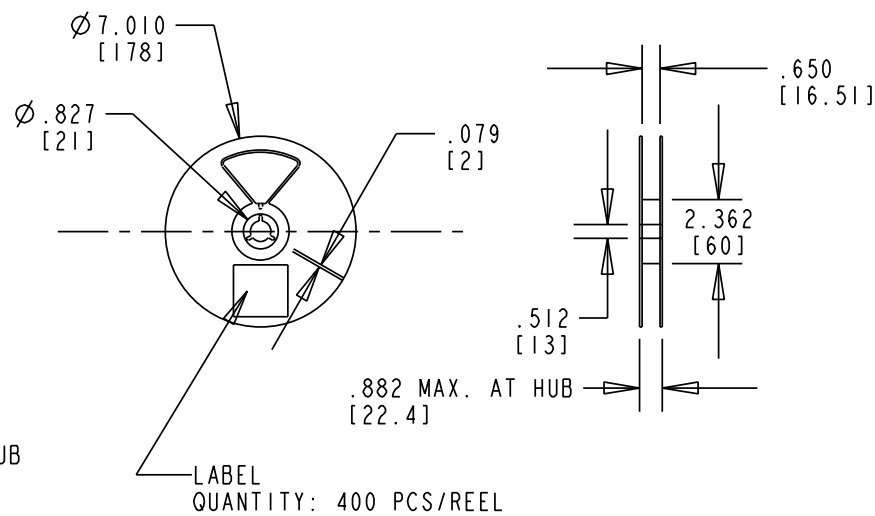


TOLERANCE: .004 UNLESS OTHERWISE SPECIFIED.  
MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.

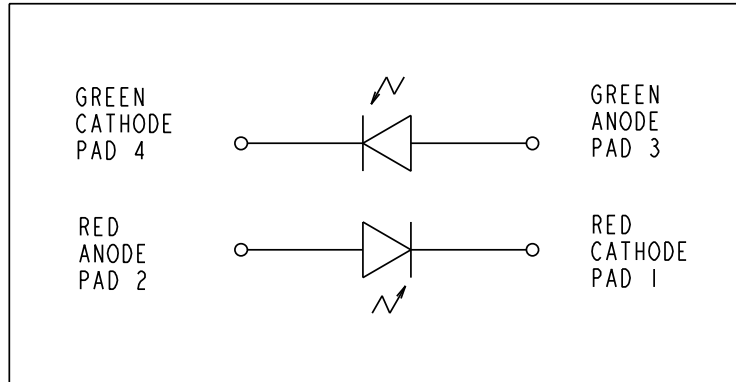
REEL SPECIFICATION



13 INCH DIA. REEL SPECIFICATIONS



7 INCH DIA. REEL SPECIFICATIONS



|                                                                                                                                                                                                                               |                                                          |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------|
| 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-17282                                | 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 3mm PRISM SURFACE MOUNT CBI<br>RoHS COMPLIANT      |          |
| FINISH:                                                                                                                                                                                                                       | MATERIAL                                                 |          |
| FSCM 83330                                                                                                                                                                                                                    | Dialight<br>1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727 |          |
| SHEET 1 OF 1                                                                                                                                                                                                                  | FAMILY TABLE:                                            |          |