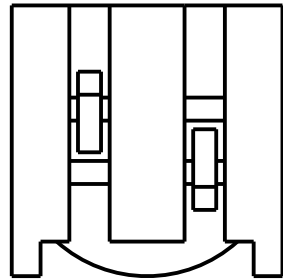
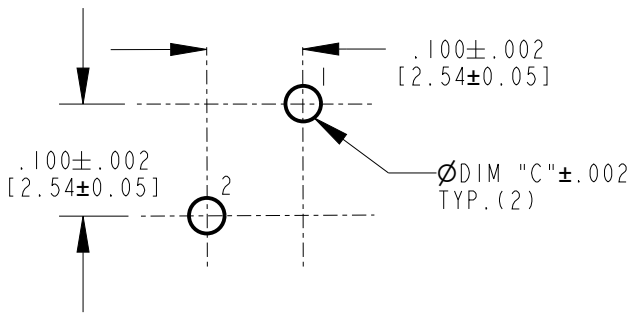
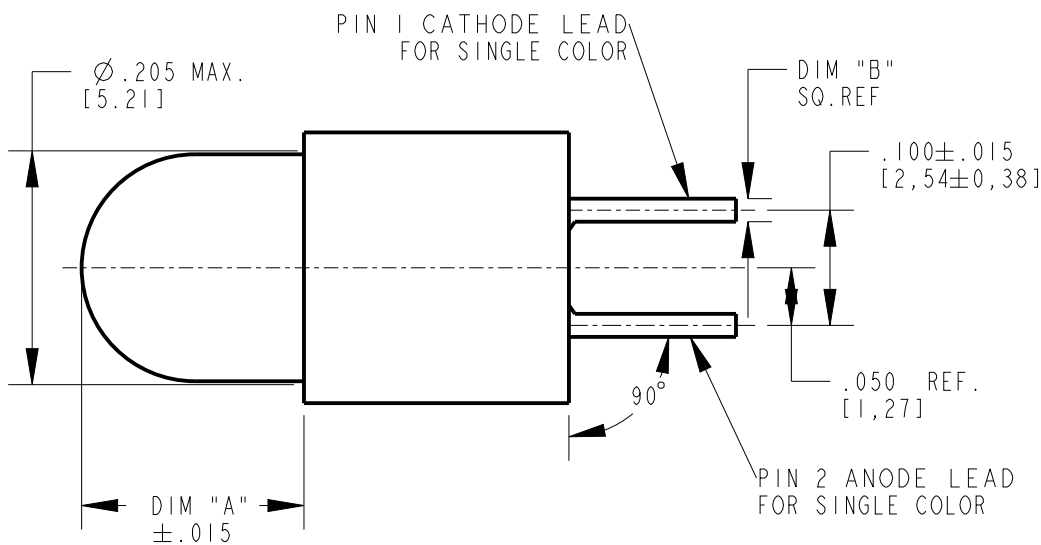
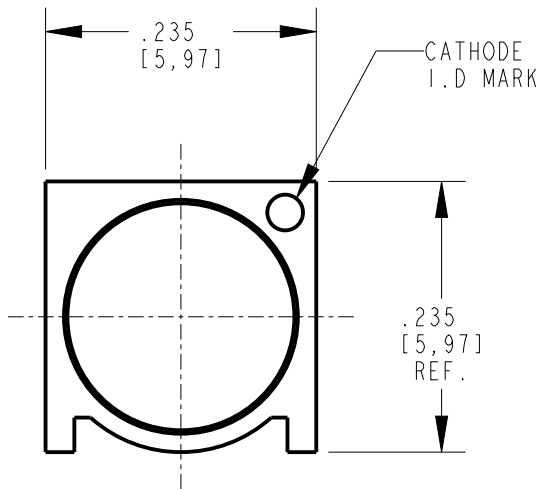
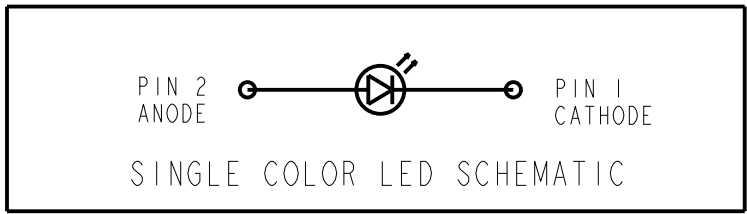
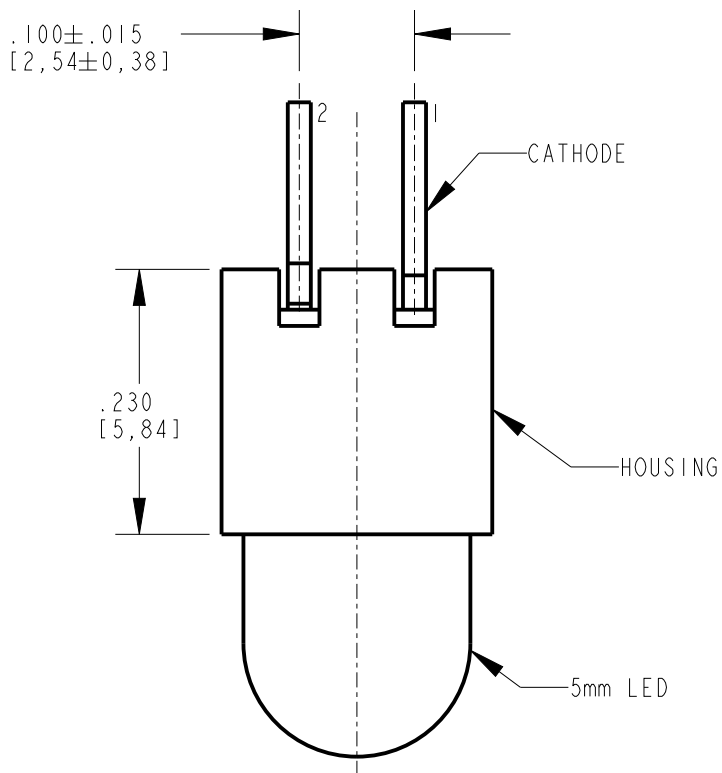


| ASSEMBLY<br>NUMBER | LED COLOR                  | DIM.<br>"A" | DIM.<br>"B" | DIM.<br>"C" | ELECTRO OPTICAL CHARACTERISTICS AT TA=25°C |                       |                                |                  |                   | ABSOLUTE MAXIMUM RATINGS AT TA=25°C |                              |                            |                             |                                    |                          |                        |
|--------------------|----------------------------|-------------|-------------|-------------|--------------------------------------------|-----------------------|--------------------------------|------------------|-------------------|-------------------------------------|------------------------------|----------------------------|-----------------------------|------------------------------------|--------------------------|------------------------|
|                    |                            |             |             |             | LUMINOUS<br>INTENSITY (mcd)                | FORWARD<br>VOLTAGE(V) | DOMINANT<br>WAVE<br>LENGTH(nm) | VIEWING<br>ANGLE | TEST<br>CONDITION | IR(Max)<br>* 5V<br>(uA)             | POWER<br>DISSIPATION<br>(mW) | FORWARD<br>CURRENT<br>(mA) | PEAK FORWARD<br>CURRENT(mA) | REVERSE<br>BREAKDOWN<br>VOLTAGE(V) | OPERATING<br>TEMPERATURE | STORAGE<br>TEMPERATURE |
| 550-0504-020F      | RED DIFFUSED 5 VOLT        | .197        | .025±.002   | .050        | 2.4 MIN                                    | -                     | 626nm TYP                      | 60               | VF=5V             | 100                                 | -                            | 15                         | -                           | 5                                  | -40C TO +85C             | -40C TO +100C          |
| 550-0704-020F      | GREEN DIFFUSED 5 VOLT      | .197        | .025±.002   | .050        | 2.0 MIN                                    | -                     | 569nm TYP                      | 60               | VF=5V             | 100                                 | -                            | 15                         | -                           | 5                                  | -20C TO +85C             | -40C TO +100C          |
| 550-0804-020F      | YELLOW DIFFUSED 5 VOLT     | .197        | .025±.002   | .050        | 2.2 MIN                                    | -                     | 589nm TYP                      | 60               | VF=5V             | 100                                 | -                            | 15                         | -                           | 5                                  | -40C TO +85C             | -40C TO +100C          |
| 550-1104-020F      | RED TINTED DIFFUSED 2mA    | .197        | .018±.002   | .040        | 1.3 MIN/2.3 TYP                            | 1.9V TYP/2.2V MAX     | 626nm TYP                      | 50               | 2mA               | 50                                  | 14                           | 7                          | 7                           | 5                                  | -40C TO +100C            | -40C TO +100C          |
| 550-1204-020F      | YELLOW TINTED DIFFUSED 2mA | .197        | .018±.002   | .040        | 1.0 MIN/2.1 TYP                            | 1.9V TYP/2.5V MAX     | 589nm TYP                      | 50               | 2mA               | 50                                  | 17.5                         | 7                          | 7                           | 5                                  | -40C TO +100C            | -40C TO +100C          |
| 550-1304-020F      | GREEN DIFFUSED 2mA         | .197        | .018±.002   | .040        | 1.6 MIN/3.2 TYP                            | 1.9V TYP/2.2V MAX     | 569nm TYP                      | 50               | 2mA               | 50                                  | 15.4                         | 7                          | 7                           | 5                                  | -20C TO +100C            | -40C TO +100C          |
| 550-2204-020F      | GREEN DIFFUSED             | .190        | .020±.004   | .043        | 5.6 MIN/16 TYP                             | 2.1V TYP/3.0V MAX     | 570nm TYP                      | 40               | 10mA              | 100                                 | 75                           | 25                         | 60                          | 3                                  | -25C TO +85C             | -30C TO +100C          |
| 550-2304-020F      | YELLOW DIFFUSED            | .190        | .020±.004   | .043        | 19 MIN/29 TYP                              | 2.1V TYP/2.6V MAX     | 590nm TYP                      | 50               | 10mA              | 100                                 | 52                           | 20                         | 60                          | 5                                  | -40C TO +85C             | -40C TO +100C          |
| 550-2404-020F      | RED DIFFUSED               | .190        | .020±.004   | .043        | 9.0 MIN/18 TYP                             | 2.0V TYP/3.0V MAX     | 630nm TYP                      | 40               | 10mA              | 100                                 | 60                           | 20                         | 60                          | 3                                  | -25C TO +85C             | -30C TO +100C          |
| 550-2504-020F      | ORANGE DIFFUSED            | .197        | .020±.004   | .043        | 6.1 MIN                                    | 1.9V TYP/2.4V MAX     | 605nm TYP                      | 60               | 10mA              | 100                                 | 135                          | 25                         | 90                          | 5                                  | -40C TO +100C            | -40C TO +100C          |

| REV | ECN NO | REVISIONS   | DRN | CKD | APP | DATE    |
|-----|--------|-------------|-----|-----|-----|---------|
| A   | 97511  | NEW RELEASE | JSG | CS  | NO  | 14SEP22 |



NOTES:

- LEADS TO FIT INTO HOLE PATTERN AS SHOWN.
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PARTS. (PIN OUTS MATCH OBSOLETE (EOL) VCC PART NUMBERS) SEE TABLE
- 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 NUMBERS: 550-0504-020F THRU 550-2504-020F

RoHS Compliant 550-XX04-020F Thru-hole CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.  
ex: 550-XX04-020F  
The bag 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 CORP. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT CORP. |                                   |                                                                                    |
| DIALIGHT CORP INTERNAL REFERENCE ONLY - 3D MODEL : 550XX04020F-A.1                                                                                                                                                                      |                                   |                                                                                    |
| SCALE: 6.000                                                                                                                                                                                                                            | DRAWING NUMBER                    | REV                                                                                |
| ALL DIM'S IN: INCHES (MM)                                                                                                                                                                                                               | C-18581                           | A                                                                                  |
| TOLERANCES:<br>UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                               | TITLE                             | MATERIAL                                                                           |
| FRACTIONS: ±1/64<br>DECIMALS (.XX): ±.01<br>DECIMALS (.XXX): ±.005<br>DECIMALS (.XXXX): ±.0005<br>ANGLES: ±1°                                                                                                                           | 5mm LED CBI,TOP VIEW REVERSE BEND |                                                                                    |
| FINISH                                                                                                                                                                                                                                  | Dialight                          | 1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727<br>(732) 919-3119<br>www.dialight.com |
| FSCM 83330                                                                                                                                                                                                                              | SHEET 1 OF 1                      | FAMILY TABLE:                                                                      |