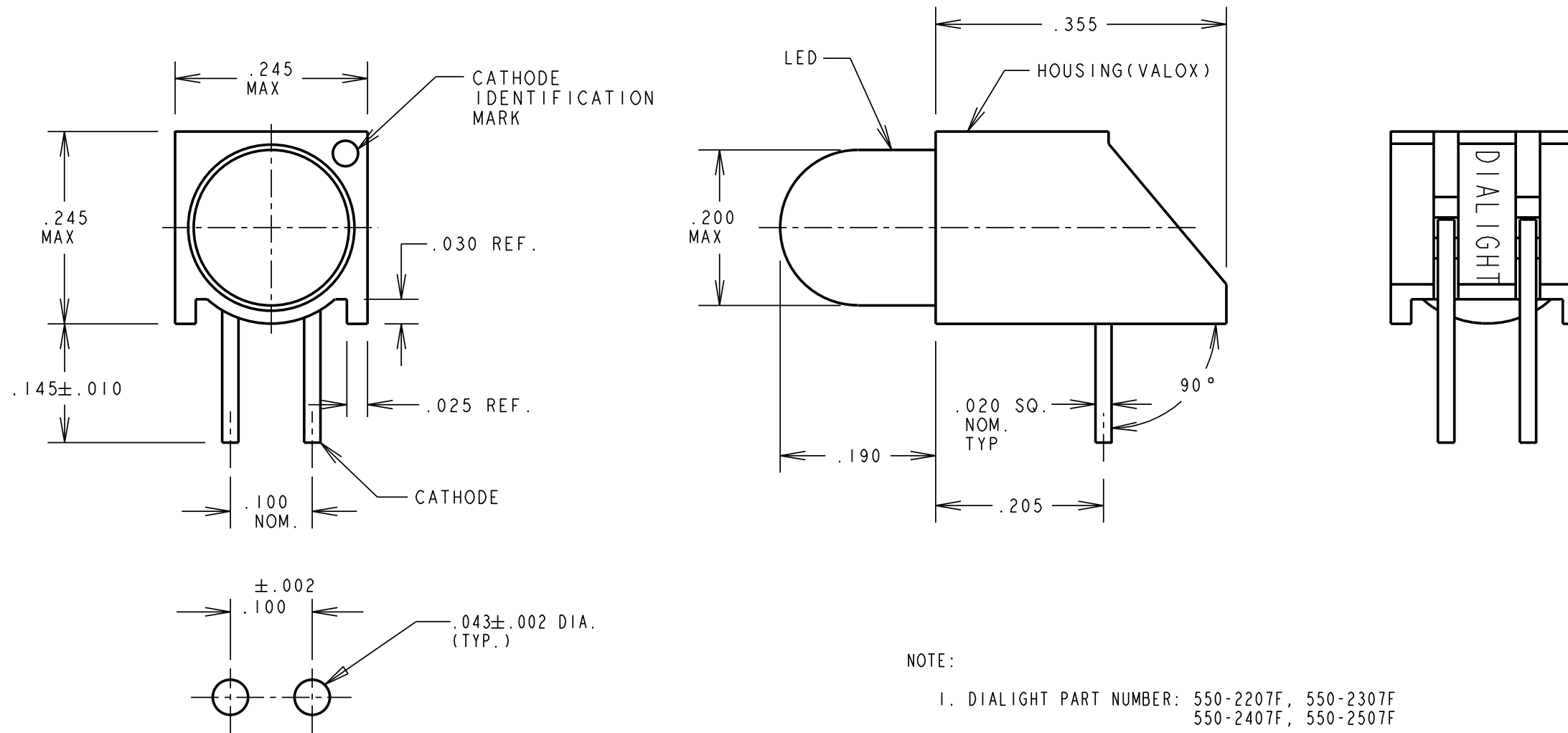


| PART NUMBER | LED COLOR    |
|-------------|--------------|
| 550-2207F   | GREEN DIFF.  |
| 550-2307F   | YELLOW DIFF. |
| 550-2407F   | RED DIFF.    |
| 550-2507F   | ORANGE DIFF. |

| LED ELECTRO-OPTICAL CHARACTERISTICS    |                     |       |                 |        |       |                         |   |
|--|---------------------|-------|-----------------|--------|-------|-------------------------|---|
| PARAMETER                              | RED                 | GREEN | YELLOW          | ORANGE | UNITS | TEST COND.              | SPECS   |
| PEAK FORWARD CURRENT (1ms, 1/5 DUTY)   | 60                  | 60    | 60              | 90     | mA    | N/A                     | ABSOLUTE<br>MAXIMUM<br>RATINGS<br>AT<br>T <sub>A</sub> = 25°C |
| POWER DISSIPATION                      | 60                  | 75    | 85              | 135    | mW    |                         |   |
| FORWARD DC CURRENT                     | 20                  | 25    | 10              | 30     | mA    |                         |   |
| OPERATING TEMPERATURE                  | -25°C TO +85°C      |       | -55°C TO +100°C |        | °C    |                         |   |
| STORAGE TEMPERATURE                    | -30°C TO +100°C     |       | -55°C TO +100°C |        | °C    |                         |   |
| LEAD SOLDERING TEMP. (1/16" FROM CASE) | 260°C FOR 5 SECONDS |       |                 |        | °C    |                         |   |
| FORWARD VOLTAGE                        | TYP                 | 2.2   | 2.1             | 2.0    | 1.9   | V                       | I <sub>F</sub> = 10 mA  |
|  | MAX                 | 2.5   | 3.0             | 2.4    | 2.4   |                         |   |
| REVERSE BREAKDOWN VOLTAGE MIN.         | 5                   |       |                 |        | V     | I <sub>R</sub> = 100 µA | OPERATING<br>CHAR.<br>AT<br>T <sub>A</sub> = 25°C             |
| PEAK WAVELENGTH                        | 650                 | 563   | 583             | 600    | nm    | MEAS. AT PEAK           |   |
| LUMINOUS INTENSITY                     | MIN                 | 2.2   | 3.6             | 5.7    | 4.0   | mcd                     |   |
|  | TYP                 | 6.3   | 10              | 8.0    | 7.0   |                         |   |
| RATED CURRENT                          | 10                  |       |                 |        | mA    | N/A                     |   |


| REV | ECN NO | REVISIONS   | DRN | CKD | APP | DATE |
|-----|--------|-------------|-----|-----|-----|------|
| A   |        | NEW RELEASE | TWC |     |     |      |



NOTE:

1. DIALIGHT PART NUMBER: 550-2207F, 550-2307F, 550-2407F, 550-2507F

P.C.B. HOLE PATTERN

|   |  |               |
|---|--|---------------|
| 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-17303  | 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>HIGH EFFICIENCY CBI<br>WITH STANDOFF, RoHS COMPLIANT  |               |
| FINISH:   | MATERIAL   |               |
| FSCM 83330  |  1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727 |               |
|   | SHEET 1 OF 1   | FAMILY TABLE: |