

| DIALIGHT<br>PART NUMBER | LED COLOR       |                 |                 |
|-------------------------|-----------------|-----------------|-----------------|
|                         | POSITION 1      | POSITION 2      | POSITION 3      |
| 564-0200-100F           | RED DIFFUSED    | ** BLANK **     | ** BLANK **     |
| 564-0200-111F           | RED DIFFUSED    | RED DIFFUSED    | RED DIFFUSED    |
| 564-0200-121F           | RED DIFFUSED    | GREEN DIFFUSED  | RED DIFFUSED    |
| 564-0200-122F           | RED DIFFUSED    | GREEN DIFFUSED  | GREEN DIFFUSED  |
| 564-0200-123F           | RED DIFFUSED    | GREEN DIFFUSED  | YELLOW DIFFUSED |
| 564-0200-131F           | RED DIFFUSED    | YELLOW DIFFUSED | RED DIFFUSED    |
| 564-0200-132F           | RED DIFFUSED    | YELLOW DIFFUSED | GREEN DIFFUSED  |
| 564-0200-133F           | RED DIFFUSED    | YELLOW DIFFUSED | YELLOW DIFFUSED |
| 564-0200-200F           | GREEN DIFFUSED  | ** BLANK **     | ** BLANK **     |
| 564-0200-201F           | GREEN DIFFUSED  | ** BLANK **     | RED DIFFUSED    |
| 564-0200-202F           | GREEN DIFFUSED  | ** BLANK **     | GREEN DIFFUSED  |
| 564-0200-210F           | GREEN DIFFUSED  | RED DIFFUSED    | ** BLANK **     |
| 564-0200-211F           | GREEN DIFFUSED  | RED DIFFUSED    | RED DIFFUSED    |
| 564-0200-212F           | GREEN DIFFUSED  | RED DIFFUSED    | GREEN DIFFUSED  |
| 564-0200-220F           | GREEN DIFFUSED  | GREEN DIFFUSED  | ** BLANK **     |
| 564-0200-221F           | GREEN DIFFUSED  | GREEN DIFFUSED  | RED DIFFUSED    |
| 564-0200-222F           | GREEN DIFFUSED  | GREEN DIFFUSED  | GREEN DIFFUSED  |
| 564-0200-223F           | GREEN DIFFUSED  | GREEN DIFFUSED  | YELLOW DIFFUSED |
| 564-0200-230F           | GREEN DIFFUSED  | YELLOW DIFFUSED | ** BLANK **     |
| 564-0200-231F           | GREEN DIFFUSED  | YELLOW DIFFUSED | RED DIFFUSED    |
| 564-0200-232F           | GREEN DIFFUSED  | YELLOW DIFFUSED | GREEN DIFFUSED  |
| 564-0200-233F           | GREEN DIFFUSED  | YELLOW DIFFUSED | YELLOW DIFFUSED |
| 564-0200-310F           | YELLOW DIFFUSED | RED DIFFUSED    | ** BLANK **     |
| 564-0200-311F           | YELLOW DIFFUSED | RED DIFFUSED    | RED DIFFUSED    |
| 564-0200-312F           | YELLOW DIFFUSED | RED DIFFUSED    | GREEN DIFFUSED  |
| 564-0200-321F           | YELLOW DIFFUSED | GREEN DIFFUSED  | RED DIFFUSED    |
| 564-0200-322F           | YELLOW DIFFUSED | GREEN DIFFUSED  | GREEN DIFFUSED  |
| 564-0200-323F           | YELLOW DIFFUSED | GREEN DIFFUSED  | YELLOW DIFFUSED |
| 564-0200-330F           | YELLOW DIFFUSED | YELLOW DIFFUSED | ** BLANK **     |
| 564-0200-331F           | YELLOW DIFFUSED | YELLOW DIFFUSED | RED DIFFUSED    |
| 564-0200-332F           | YELLOW DIFFUSED | YELLOW DIFFUSED | GREEN DIFFUSED  |
| 564-0200-333F           | YELLOW DIFFUSED | YELLOW DIFFUSED | YELLOW DIFFUSED |

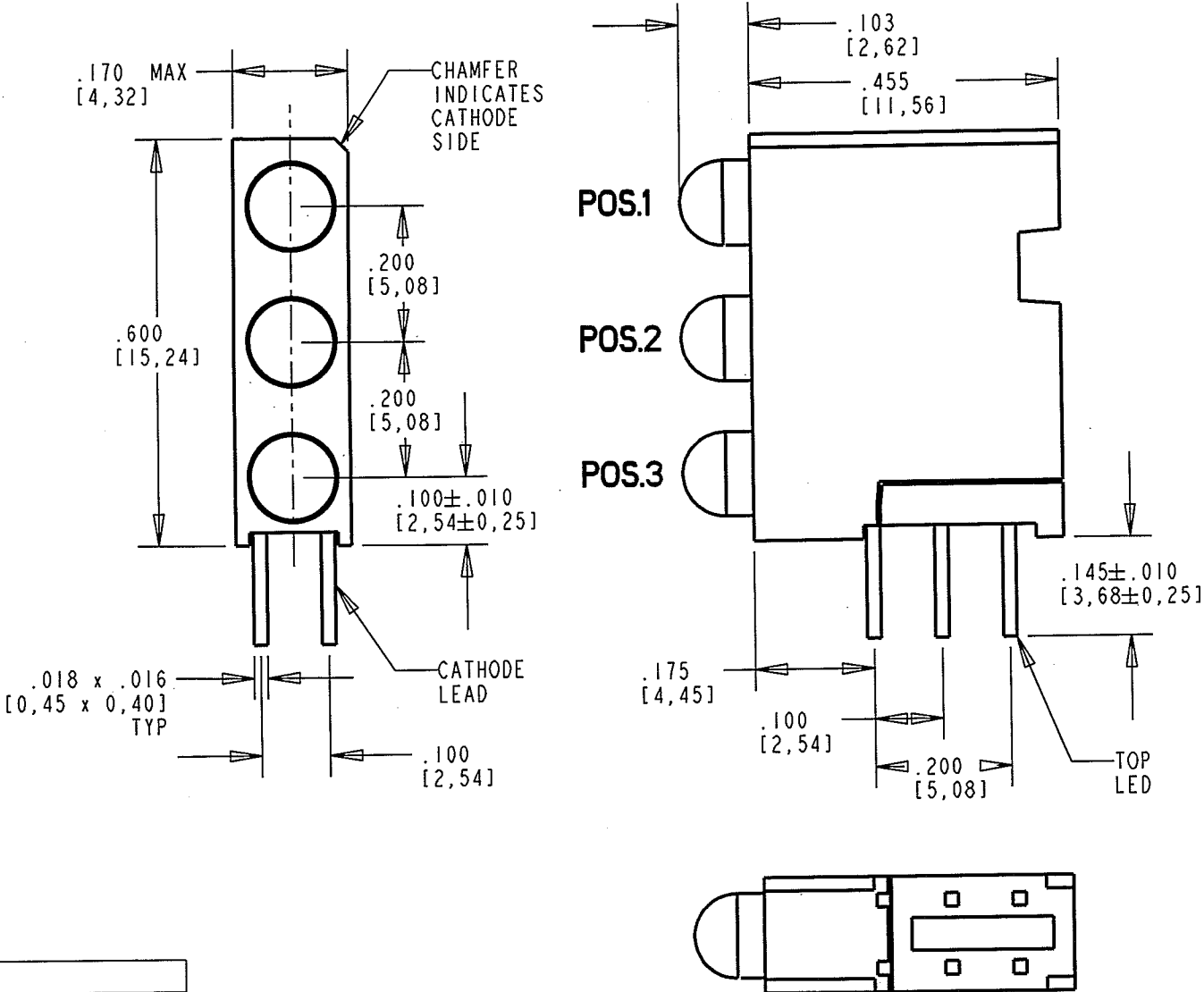
OPERATING CHARACTERISTICS AT 25°C AMBIENT

| DIFFUSED<br>LENS COLOR | LUMINOUS INTENSITY<br>@I <sub>F</sub> = 2 mA<br>(mcd) |     | FORWARD VOLTAGE<br>@I <sub>F</sub> = 2 mA<br>(V) |     | REVERSE<br>CURRENT<br>(μA) | DOMINANT<br>WAVELENGTH<br>(nm) | PEAK<br>WAVELENGTH<br>(nm) | VIEWING<br>ANGLE<br>(DEG) |
|------------------------|-------------------------------------------------------|-----|--------------------------------------------------|-----|----------------------------|--------------------------------|----------------------------|---------------------------|
|                        | MIN                                                   | TYP | TYP                                              | MAX | MAX                        | TYP                            | TYP                        | TYP                       |
| RED                    | 1.0                                                   | 1.6 | 1.7                                              | 2.2 | 10                         | —                              | 635                        | 60                        |
| GREEN                  | 1.0                                                   | 1.6 | 1.9                                              | 2.2 | 10                         | —                              | 565                        | 60                        |
| YELLOW                 | 2.3                                                   | 5.0 | 1.8                                              | 2.4 | 100                        | 587                            | 591                        | 60                        |

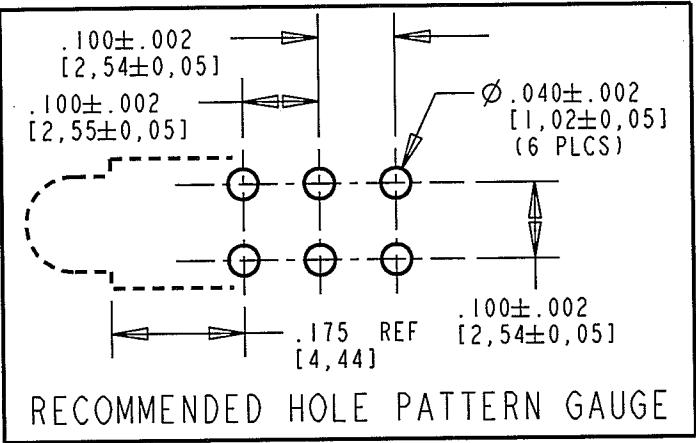
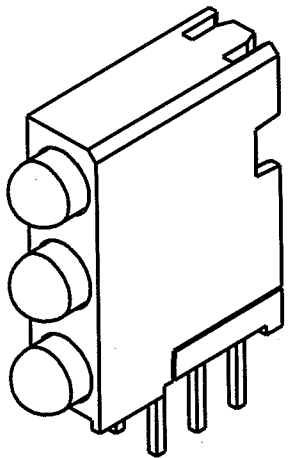
| ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT | COLOR       |       |             | UNITS |
|------------------------------------------|-------------|-------|-------------|-------|
|                                          | RED         | GREEN | YELLOW      |       |
| POWER DISSIPATION                        | 20          | 20    | 75          | mW    |
| CONTINUOUS FORWARD CURRENT               | 7           | 7     | 30          | mA    |
| PEAK FORWARD CURRENT                     | 500         | 500   | 60          | mA    |
| REVERSE VOLTAGE                          | 5           |       |             | V     |
| OPERATING TEMPERATURE                    | -55 TO +100 |       | -40 TO +100 | °C    |
| STORAGE TEMPERATURE                      | -55 TO +100 |       |             | °C    |
| SOLDERING TEMPERATURE, FOR 5 SEC         | 260         |       |             | °C    |

RoHS Compliant 564-0200-XXXF

Part Numbers with the "F" suffix ending are RoHS Compliant. (Ex: 564-0200-100F)  
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. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT. |                                          |                                              |
| SCALE: 4.000                                                                                                                                                                                                                  | DRAWING NUMBER                           | REV                                          |
| ALL DIM'S IN: INCHES (MM)                                                                                                                                                                                                     | C-17533                                  | B                                            |
| TOLERANCES:<br>UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                     | TITLE                                    | MATERIAL                                     |
| FRACTIONS: ±1/64<br>DECIMALS (.XX): ±.02<br>DECIMALS (.XXX): ±.015                                                                                                                                                            | STANDARD 3X1 CBI BLOCK<br>RoHS COMPLIANT |                                              |
| ANGLES: ±1°                                                                                                                                                                                                                   |                                          |                                              |
| FINISH:                                                                                                                                                                                                                       |                                          |                                              |
| FSCM 83330                                                                                                                                                                                                                    | Dialight                                 | 1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727 |
|                                                                                                                                                                                                                               | SHEET 1 OF 1                             | FAMILY TABLE:                                |

NOTES:

- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- DIALIGHT PART NUMBER: 564-0200-XXXF
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.