

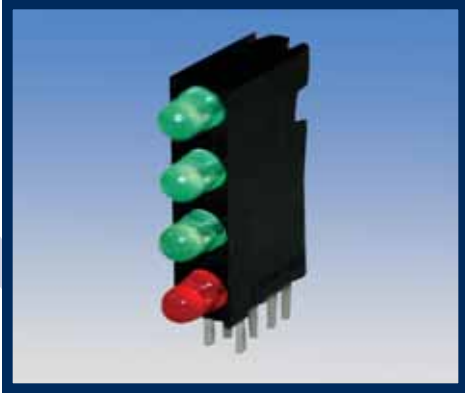
# Dialight

## 568 Series

### 3mm LED CBI®

### Circuit Board Indicator

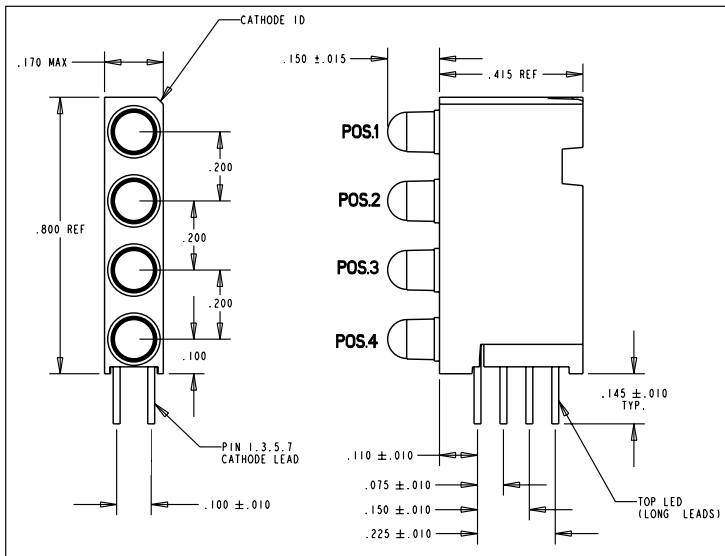
### QUAD-LEVEL



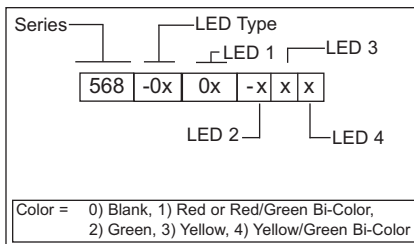
## FEATURES / BENEFITS

- ▲ Multiple CBIs form horizontal LED arrays on 1.91 mm (0.075") center lines.
- ▲ High Contrast, UL 94 V-0 rated, black housing
- ▲ Oxygen index: 32%
- ▲ Polymer content: PBT, 0.949 g
- ▲ Housing stand-offs facilitate PCB cleaning
- ▲ Solderability per MIL-STD-202F, method 208F
- ▲ LEDs are safe for direct viewing per IEC 825-1, EN 60825-1

| PART NUMBER                                    | COLOR*                                              |
|------------------------------------------------|-----------------------------------------------------|
| <b>HIGH EFFICIENCY - LED TYPE 1</b>            |                                                     |
| 568-0101-111                                   | RED/RED/RED/RED                                     |
| 568-0102-222                                   | GREEN/GREEN/GREEN/GREEN                             |
| 568-0102-323                                   | GREEN/YELLOW/GREEN/YELLOW                           |
| 568-0103-232                                   | YELLOW/GREEN/YELLOW/GREEN                           |
| <b>LOW CURRENT - LED TYPE 2</b>                |                                                     |
| 568-0201-111                                   | RED/RED/RED/RED                                     |
| 568-0202-222                                   | GREEN/GREEN/GREEN/GREEN                             |
| 568-0202-323                                   | GREEN/YELLOW/GREEN/YELLOW                           |
| 568-0203-232                                   | YELLOW/GREEN/YELLOW/GREEN                           |
| <b>INTEGRAL RESISTOR, 5 VOLTS - LED TYPE 3</b> |                                                     |
| 568-0301-111                                   | RED/RED/RED/RED                                     |
| 568-0302-222                                   | GREEN/GREEN/GREEN/GREEN                             |
| 568-0302-323                                   | GREEN/YELLOW/GREEN/YELLOW                           |
| 568-0303-232                                   | YELLOW/GREEN/YELLOW/GREEN                           |
| <b>BI-COLOR - LED TYPE 7</b>                   |                                                     |
| 568-0701-111                                   | RED/GREEN-RED/GREEN-RED/GREEN-RED/GREEN             |
| 568-0704-444                                   | YELLOW/GREEN-YELLOW/GREEN-YELLOW/GREEN-YELLOW/GREEN |



## PART NUMBER ORDERING CODE



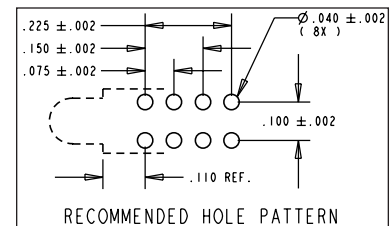
\* LED 1, LED 2, LED 3, LED 4

## Tolerance note:

### As noted, otherwise:

- LED Protrusion:  $\pm 0.4$  mm [ $\pm 0.016$ ]
- CBI Housing:  $\pm 0.2$  mm [ $\pm 0.008$ ]

Contact factory for information on custom color combinations.



**Dialight Corporation**

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MDEA568X001\_B



## 3mm LED CBI® Circuit Board Indicator Quad-Level

### OPERATING CHARACTERISTICS (TA= 25°C)

#### HIGH EFFICIENCY - LED TYPE 1

| Part Number  | Color  | Peak Wavelength (nm) | Iv mcd | V <sub>F</sub> volts | Test Current (mA) | Viewing Angle 2ø 1/2 |
|--------------|--------|----------------------|--------|----------------------|-------------------|----------------------|
| 568-010x-xxx | Red    | 635                  | 10.0   | 2                    | 10                | 60°                  |
|              | Green  | 565                  | 12.6   | 2.1                  | 10                | 60°                  |
|              | Yellow | 585                  | 10.0   | 2.1                  | 10                | 60°                  |

#### LOW CURRENT - LED TYPE 2

| Part Number  | Color  | Peak Wavelength (nm) | Iv mcd | V <sub>F</sub> volts | Test Current (mA) | Viewing Angle 2ø 1/2 |
|--------------|--------|----------------------|--------|----------------------|-------------------|----------------------|
| 568-020x-xxx | Red    | 635                  | 1.6    | 1.7                  | 2                 | 60°                  |
|              | Green  | 565                  | 1.6    | 1.9                  | 2                 | 60°                  |
|              | Yellow | 585                  | 1.6    | 1.8                  | 2                 | 60°                  |

#### INTEGRAL RESISTOR, 5 VOLTS - LED TYPE 3

| Part Number  | Color  | Peak Wavelength (nm) | Iv mcd | Test Voltage | Test Current (mA) | Viewing Angle 2ø 1/2 |
|--------------|--------|----------------------|--------|--------------|-------------------|----------------------|
| 568-010x-xxx | Red    | 635                  | 4      | 5            | 10                | 60°                  |
|              | Green  | 565                  | 8      | 5            | 12                | 60°                  |
|              | Yellow | 583                  | 8      | 5            | 10                | 60°                  |

#### BI-COLOR - LED TYPE 7

| Part Number  | Color        | Peak Wavelength (nm) | Iv mcd   | V <sub>F</sub> volts | Test Current (mA) | Viewing Angle 2ø 1/2 |
|--------------|--------------|----------------------|----------|----------------------|-------------------|----------------------|
| 568-070x-xxx | Green/Red    | 565/635              | 10.0/4.7 | 2.1/2.0              | 10/10             | 60°                  |
|              | Green/Yellow | 565/585              | 6.3/4.3  | 2.1/2.1              | 10/10             | 60°                  |

DIALIGHT RESERVES THE RIGHT TO MAKE CHANGES AT ANY TIME IN ORDER TO SUPPLY THE BEST PRODUCT POSSIBLE.



A4703



ISO 9001

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