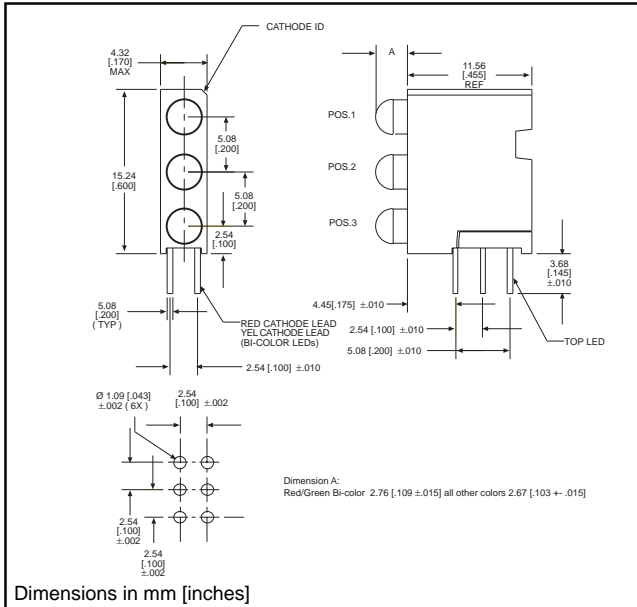


**3mm  
LED CBI® Circuit Board Indicator  
Tri-Level**

**Dialight**  
**564-0x00-xxx**



**Features**

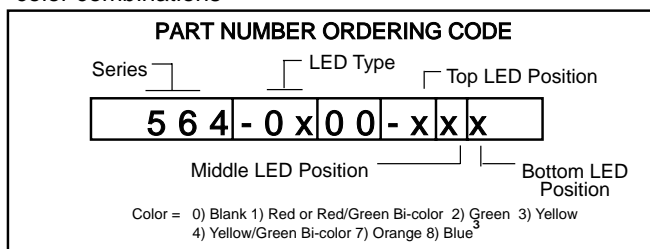
- Multiple CBIs form horizontal LED arrays on 4.45mm (0.175") center-lines.
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 29%
- Polymer content: PBT, 0.078 g
- Housing stand-offs facilitate PCB cleaning
- Solderability per MIL-STD-202F, method 208F
- LEDs are safe for direct viewing per IEC 825-1, EN-60825-1

**Tolerance note: As noted, otherwise:**

- LED Protrusion:  $\pm 0.04$  mm [ $\pm 0.016$ ]
- CBI Housing:  $\pm 0.02$ mm [ $\pm 0.008$ ]

**Custom Combinations**

- Contact factory for information on custom color combinations



**PART NO.**

**COLOR\***

**HIGH EFFICIENCY - LED TYPE 01**

- 564-0100-111 Red-Red-Red
- 564-0100-132 Red-Yellow-Green
- 564-0100-222 Green-Green-Green
- 564-0100-777 Orange-Orange-Orange
- 564-0100-999 Blue-Blue-Blue



**LOW CURRENT - LED TYPE 02**

- 564-0200-111 Red-Red-Red
- 564-0200-132 Red-Yellow-Green
- 564-0200-222 Green-Green-Green

**INTEGRAL RESISTOR, 5 VOLTS - LED TYPE 03**

- 564-0300-111 Red-Red-Red
- 564-0300-132 Red-Yellow-Green
- 564-0300-222 Green-Green-Green



**BI-COLOR - LED TYPE 07**

- 564-0700-111 Red/Green-Red/Green-Red/Green
- 564-0700-444 Yellow/Green-Yellow/Green-Yellow/Green

\* Top-Middle-Bottom LED



**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
SENSITIVE  
DEVICES

# 564-0x00-xxx

## Typical Operating Characteristics ( $T_A=25^\circ\text{C}$ )

See LED data sheet for additional information  
See Pages 4-73 and 4-74 for LED Drive Circuit Examples  
See Page 4-72 for Pin Out

### HIGH EFFICIENCY

| Part Number  | Color  | Peak Wavelength nm | $I_V$ mcd | $V_F$ Volts | Test Current (mA) | Viewing Angle $2\theta_{\%}$ | LED Data sheet | Page # |
|--------------|--------|--------------------|-----------|-------------|-------------------|------------------------------|----------------|--------|
| 564-0100-xxx | Red    | 635                | 10        | 2*          | 10                | 60°                          | 521-9216       | 4-58   |
|              | Green  | 565                | 12.6      | 2.1*        | 10                | 60°                          | 521-9210       | 4-58   |
|              | Yellow | 585                | 10        | 2.1*        | 10                | 60°                          | 521-9211       | 4-58   |
|              | Orange | 600                | 7         | 2.2         | 10                | 60°                          | 521-9498       | 4-58   |
|              | Blue   | 428                | 12        | 3.5         | 10                | 70°                          | 521-9831       | 4-57   |

\*  $I_F = 20\text{mA}$

### LOW CURRENT

| Part Number  | Color  | Peak Wavelength nm | $I_V$ mcd | $V_F$ Volts | Test Current (mA) | Viewing Angle $2\theta_{\%}$ | LED Data sheet | Page # |
|--------------|--------|--------------------|-----------|-------------|-------------------|------------------------------|----------------|--------|
| 564-0200-xxx | Red    | 635                | 1.6       | 1.7         | 2                 | 60°                          | 521-9324       | 4-60   |
|              | Green  | 565                | 1.6       | 1.9         | 2                 | 60°                          | 521-9326       | 4-60   |
|              | Yellow | 585                | 1.6       | 1.8         | 2                 | 60°                          | 521-9325       | 4-60   |

### INTEGRAL RESISTOR, 5 VOLTS

| Part Number  | Color  | Peak Wavelength nm | $I_V$ mcd | Test Voltage | Forward Current (mA) | Viewing Angle $2\theta_{\%}$ | LED Data sheet | Page # |
|--------------|--------|--------------------|-----------|--------------|----------------------|------------------------------|----------------|--------|
| 564-0300-xxx | Red    | 635                | 29        | 5            | 10                   | 60°                          | 521-9215       | 4-59   |
|              | Green  | 565                | 19        | 5            | 10                   | 60°                          | 521-9323       | 4-59   |
|              | Yellow | 585                | 12.6      | 5            | 10                   | 60°                          | 521-9322       | 4-59   |

### BI-COLOR

| Part Number  | Color        | Peak Wavelength nm | $I_V$ mcd | $V_F$ Volts | Test Current (mA) | Viewing Angle $2\theta_{\%}$ | LED Data sheet | Page # |
|--------------|--------------|--------------------|-----------|-------------|-------------------|------------------------------|----------------|--------|
| 564-0700-111 | Red/Green    | 635/565            | 4.7/10    | 2/2.1       | 10                | 50°                          | 521-9459       | 4-63   |
| 564-0700-444 | Yellow/Green | 585/565            | 4.3/6.3   | 2.1*/2.1*   | 10                | 80°                          | 521-9478       | 4-62   |

\*  $I_F = 20\text{mA}$

