

Part Number: **5680701111F**



General Description

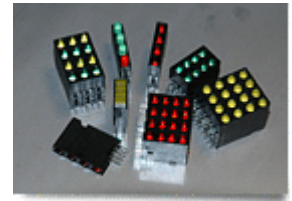
| | |
|-----------------|-------------------------------------|
| Series | 568 |
| Configuration | 3 mm Lens |
| Description | 3 mm Quad-Level CBI R/G-R/G-R/G-R/G |
| Package Options | Bulk Packaging |
| Sizes | 3mm |
| Lamp Type | Quad Level Housing |
| Viewing | Right Angle |
| Polarity | Cathode Right |
| Lens Style | Untinted, Non-Diffused |
| Viewing Angle | 60 |
| LED Centerline | 2.54mm |

Absolute Maximum Ratings (Ta = 25°)

| | |
|-----------------------|----------------|
| Solder Temperature | 260 for 6 secs |
| Operating Temperature | -55 to +100 |
| Storage Temperature | -55 to +100 |

Operating Characteristics

| | LED Position: 1-4 | |
|----------------------------|---|---|
| |  |  |
| Color | Red | Red |
| Peak Wave Length | 635 | 565 |
| Luminous Intensity Min | 2.5 | 3.7 |
| Luminous Intensity Typical | 4.7 | 10 |
| Forward Voltage Typical | 2 | 2.1 |
| Forward Voltage Max | 2.8 | 2.8 |
| Power Dissipation Max | 100mW | 100mW |



This is a
RoHS Compliant Product
To learn more click here

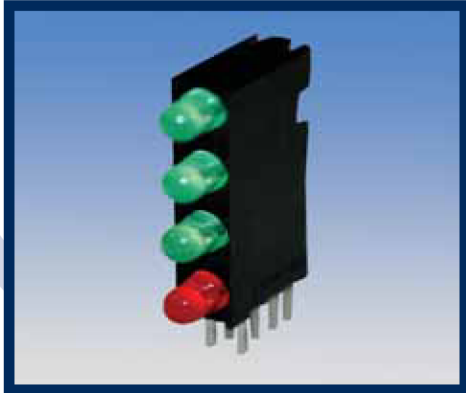
Dialight

568 Series

3mm LED CBI®

Circuit Board Indicator

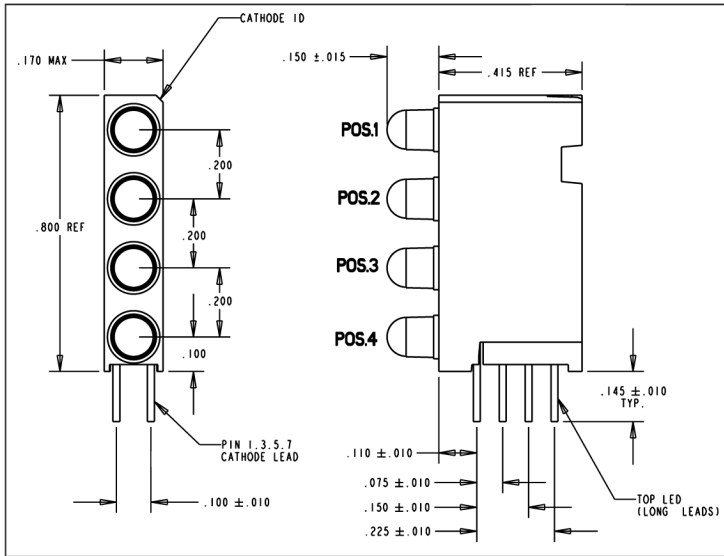
QUAD-LEVEL



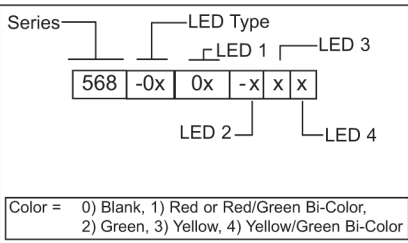
FEATURES / BENEFITS

- ▲ 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* |
|--|---|
| HIGH EFFICIENCY - LED TYPE 1 | |
| 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 |
| LOW CURRENT - LED TYPE 2 | |
| 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 |
| INTEGRAL RESISTOR, 5 VOLTS - LED TYPE 3 | |
| 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 |
| BI-COLOR - LED TYPE 7 | |
| 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

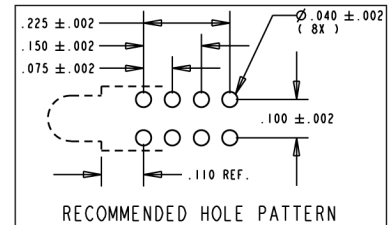


* LED 1, LED 2, LED 3, LED 4

Tolerance note:

- As noted, otherwise:
- LED Protrusion: ± 0.4 mm [± 0.016]
 - CBI Housing: ± 0.2 mm [± 0.008]

Contact factory for information on custom color combinations.





**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 _F volts | Test Current (mA) | Viewing Angle 2∅ 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 _F volts | Test Current (mA) | Viewing Angle 2∅ 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 2∅ 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 _F volts | Test Current (mA) | Viewing Angle 2∅ 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.

