

3mm

# LED CBI® Circuit Board Indicator (DIN 41494 Compatible)



## 551-xx01



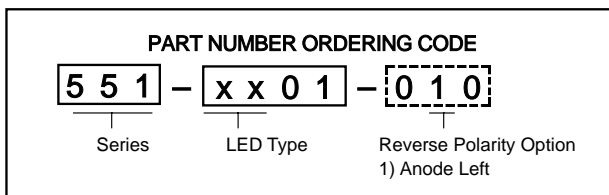
Standard Polarity shown in drawing: Anode right

### Features

- Designed to accommodate DIN 41494
- Mounting pin increases stability
- Multiple CBIs form horizontal LED arrays on 5.0mm (0.197") center-lines
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 31.5%
- Polymer content: PBT, 0.519 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 [ $\pm 0.008$ ]



-010 Ordering Code Suffix required ONLY for Reverse Polarity Option

### PART NO.

### COLOR

#### HIGH EFFICIENCY

551-0201	Green
551-0301	Yellow
551-0401	Red
551-0801	Blue <sup>3</sup>
551-2501	Orange



#### INTEGRAL RESISTOR, 5 VOLTS

551-0501	Red
551-0601	Green
551-0701	Yellow

#### LOW CURRENT

551-1101	Red
551-1201	Yellow
551-1301	Green

#### BI-COLOR

551-3001	Red/Green
551-3101	Yellow/Green

To order any of the 551-xx01 part numbers with Reverse Polarity (Anode Left), please add -010 to the part numbers shown above.



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

# 551-xx01

(DIN 41494 Compatible)

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

See LED data sheet for additional information

See page 4-70 and 4-71 for Reference Only 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 #
551-0201	Green	565	12.6	2.1*	10	60°	521-9210	4-58
551-0301	Yellow	585	10	2.1*	10	60°	521-9211	4-58
551-0401	Red	635	10	2*	10	60°	521-9216	4-58
551-0801	Blue	428	12	3.5	10	70°	521-9831	4-57
551-2501	Orange	600	7	2.2	10	60°	521-9498	4-58

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

### 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 #
551-0501	Red	635	29	5	10	60°	521-9215	4-59
551-0601	Green	565	19	5	10	60°	521-9323	4-59
551-0701	Yellow	585	12.6	5	10	60°	521-9322	4-59

### 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 #
551-1101	Red	635	1.6	1.7	2	60°	521-9324	4-60
551-1201	Yellow	585	1.6	1.8	2	60°	521-9325	4-60
551-1301	Green	565	1.6	1.9	2	60°	521-9326	4-60

### 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 #
551-3001	Red/Green	635/565	5	2	10	50°	521-9459	4-63
551-3101	Yellow/Green	585/565	4.3/6.3	2.1*/2.1*	10	80°	521-9478	4-62

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

4

