



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

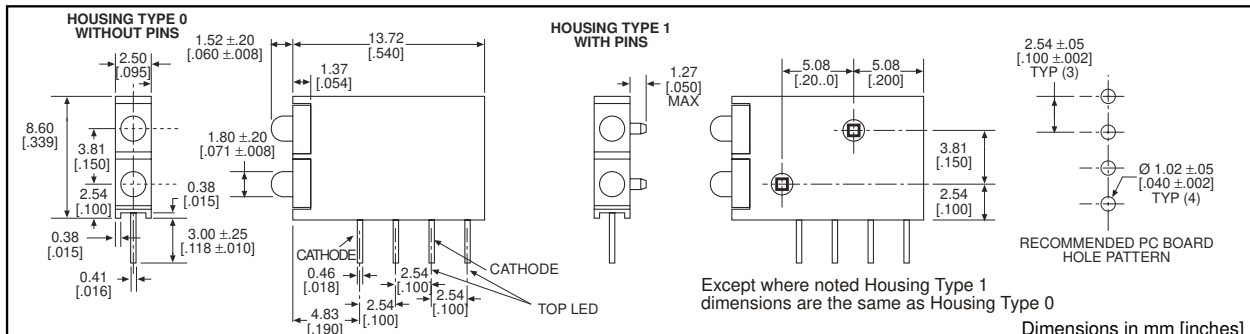


2mm

# LED CBI® Circuit Board Indicator (DIN 41494 Compatible), Bi-Level



571-01xx



### Features

- Designed to accommodate DIN 41494
- Multiple CBIs form horizontal LED arrays on 2.54mm (0.100") center-lines
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 32%
- Polymer content: PBT, 0.290 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 [ $\pm 0.008$ ]

### PART NO. WITHOUT PINS

### COLOR\*

571-0111	Red-Red
571-0112	Red-Green
571-0122	Green-Green
571-0132	Yellow-Green
571-0133	Yellow-Yellow

\* Top-Bottom LED

### PART NO. WITH PINS

### COLOR\*

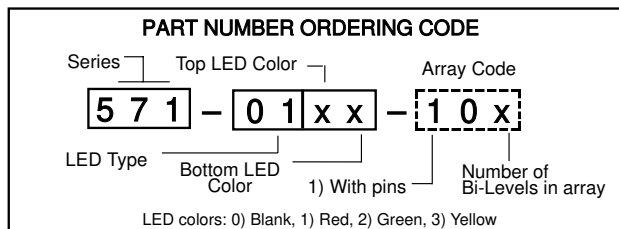
571-0111-100	Red-Red
571-0112-100	Red-Green
571-0122-100	Green-Green
571-0132-100	Yellow-Green
571-0133-100	Yellow-Yellow

\* Top-Bottom LED

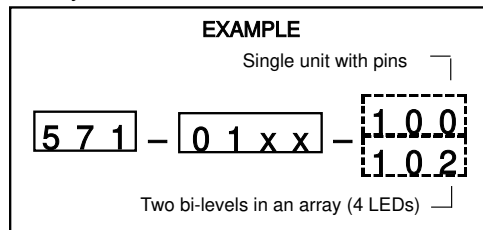
Arrays available. See Part Number ordering code.

### Custom Combinations

- Contact factory for information on custom color combinations.



-10x Suffix required only when ordering single units with pins or arrays



### Typical Operating Characteristics (T<sub>A</sub> = 25°C) GENERAL PURPOSE

See LED data sheet for additional information

See Page 3-17 and 3-18 for Reference Only LED Drive Circuit Examples

See Page 3-20 for Pin Out

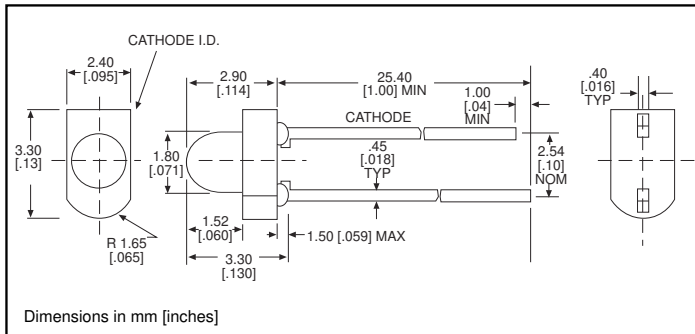
Part Number	Color	Peak Wavelength nm	I <sub>v</sub> * mcd	V <sub>F</sub> ** Volts	Viewing Angle 2Θ <sub>1/2</sub>	LED Data sheet	Page #
571-01xx	Red	635	12.6	2	38°	521-9630	3-13
	Green	565	8.7	2.1	38°	521-9632	3-13
	Yellow	585	12.6	2.1	38°	521-9631	3-13

\* I<sub>F</sub> = 10mA \*\* I<sub>F</sub> = 20mA

# 2mm Discrete LED Diffused

# Dialight

## 521-9630, -9631, -9632



### PART NO.

521-9630

521-9631

521-9632

### COLOR

Red

Yellow

Green

3

### ABSOLUTE MAXIMUM RATINGS (T<sub>A</sub>=25°C)

	Red -9630	Yellow -9631	Green -9632
Power Dissipation (mW)	100	60	100
Forward Current (mA)	30	20	30
Derating (mA/°C) From 25°C	.4	.25	.4
Peak Current (mA) Pulse width = 10μs	120	80	120
Operating Temperature (°C)	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-55/+100	-55/+100	-55/+100
Soldering Temperature	260°C, 5 seconds, 1.6 mm from case		

### OPERATING CHARACTERISTICS (T<sub>A</sub>=25°C)

		Red -9630	Yellow -9631	Green -9632
Luminous Intensity (mcd)	Min.	3.7	3.7	2.5
	Typical	12.6	12.6	8.7
Peak Wavelength (nm) λ <sub>Peak</sub>	Typical	635	585	565
Viewing Angle (2Θ <sub>1/2</sub> )	Typical	38°	38°	38°
Forward Voltage (V) I <sub>F</sub> =20mA	Typical	2	2.1	2.1
	Max.	2.8	2.8	2.8
Reverse Voltage (V), I <sub>R</sub> =100μA	Min.	5	5	5

Θ<sup>1/2</sup> is the off axis angle at which the luminous intensity is half the axial luminous intensity