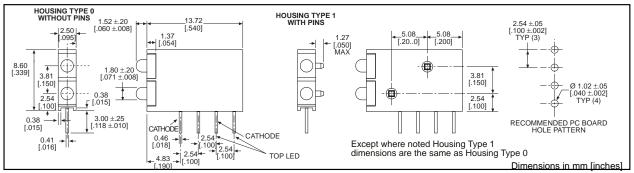
2mm LED CBI® Circuit Board Indicator (DIN 41494 Compatible), Bi-Level





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: ±0.04 mm [±0.016]

• CBI Housing: ±0.02mm[±0.008]

PART NUMBER ORDERING CODE					
Series	Top LED Color —	Ar	ray Code		
5 7	1 - 0 1	x x - [1	0 x		
LED Type	Bottom LED Color 1) With pins	Number of Bi-Levels in array		
LED colors: 0) Blank, 1) Red, 2) Green, 3) Yellow					

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

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*

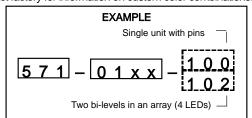
571-0111-100	Red-Red
571-0112-100	Red-Green
571-0122-100	Green-Green
571-0132-100	Yellow-Green
571-0133-100	Yellow-Yellow

* Top-Bottom LED

Arrays available. See Part Number ordering code.

Custom Combinations

· Contact factory for information on custom color combinations.



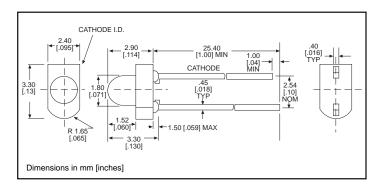
Typical Operating Characteristics ($T_A = 25^{\circ}C$) See LED data sheet for additional information GENERAL PURPOSE See Page 3-17 and 3-18 for Reference Only LED Drive Circuit Examples

Part Number	Color	Peak Wavelength nm	l∨* mcd	Vr** Volts	Viewing Angle 2⊖₁/₂	LED Data sheet	Page #
	Red	635	12.6	2	38°	521-9630	3-13
571-01xx	Green	565	8.7	2.1	38°	521-9632	3-13
	Yellow	585	12.6	2.1	38°	521-9631	3-13

 $[*]I_{F} = 10mA$ $**I_{F} = 20mA$

2mm Discrete LED **Diffused**





PART NO.	<u>COLOR</u>
521-9630	Red
521-9631	Yellow
521-9632	Green

ABSOLUTE MAXIMUM RATINGS $(T_A=25^{\circ}C)$	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 _A =25°C)		Red -9630	Yellow -9631	Green -9632
Luminous Intensity (mcd) I _F =10mA	Min. Typical	3.7 12.6	3.7 12.6	2.5 8.7
Peak Wavelength (nm) λ Peak	Typical	635	585	565
Viewing Angle (2⊕√₂)	Typical	38°	38°	38°
Forward Voltage (V) I _F =20mA	Typical Max.	2 2.8	2.1 2.8	2.1 2.8
Reverse Voltage (V), I _R =100μA	Min.	5	5	5

^{⊕ 11/2} is the off axis angle at which the luminous intensity is half the axial luminous intensity