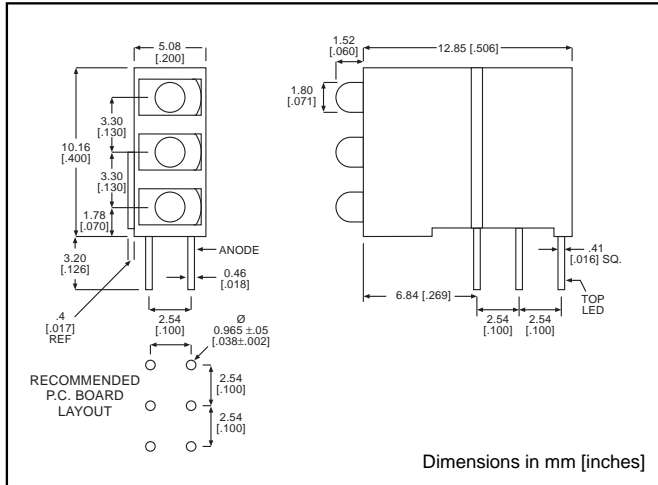


**2mm**  
**LED CBI® Circuit Board Indicator**  
**(DIN 41494 Compatible), Tri-Level**

**Dialight**  
**570-0100-xxx**



**PART NO.**

**COLOR\***

- 570-0100-111
- 570-0100-132
- 570-0100-222
- 570-0100-333

- Red-Red-Red
- Red-Yellow-Green
- Green-Green-Green
- Yellow-Yellow-Yellow

\* Top-Middle-Bottom LED

**3**

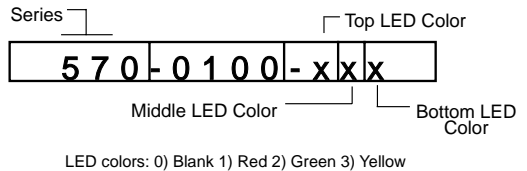
**Features**

- Designed to accommodate DIN 41494
- Multiple CBIs form horizontal LED arrays on 5.08mm (0.200") center-lines
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 29%
- Polymer content: PBT, 0.595 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

**Custom Combinations**

- Contact factory for information on custom color combinations.

**EXAMPLE OF PART NUMBER ORDERING CODE**



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

- LED Protrusion: ±0.04 mm [±0.016]
- CBI Housing: ±0.02mm[±0.008]

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

*See Page 3-19 for Pin Out*

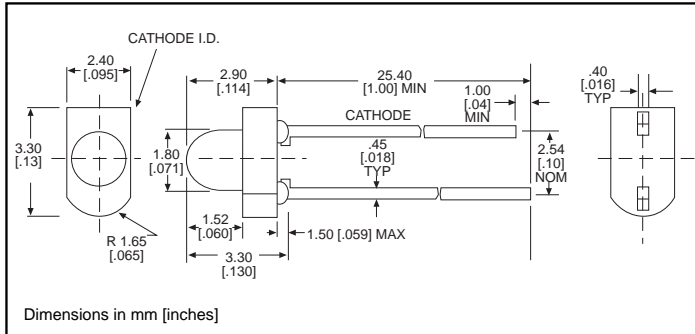
Part Number	Color	Peak Wavelength nm	$I_V^*$ mcd	$V_F^{**}$ Volts	Viewing Angle $2\theta_{1/2}$	LED Data sheet	Page #
570-0100-xxx	Red	635	12.6	2	38°	521-9630	3-13
	Green	565	8.7	2.1	38°	521-9632	3-13
	Yellow	585	12.6	2.1	38°	521-9631	3-13

\*  $I_F = 10 \text{ mA}$     \*\* $I_F = 20 \text{ mA}$

# 2mm Discrete LED Diffused

# Dialight

## 521-9630, -9631, -9632



PART NO.	COLOR
521-9630	Red
521-9631	Yellow
521-9632	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<sub>1/2</sub> is the off axis angle at which the luminous intensity is half the axial luminous intensity