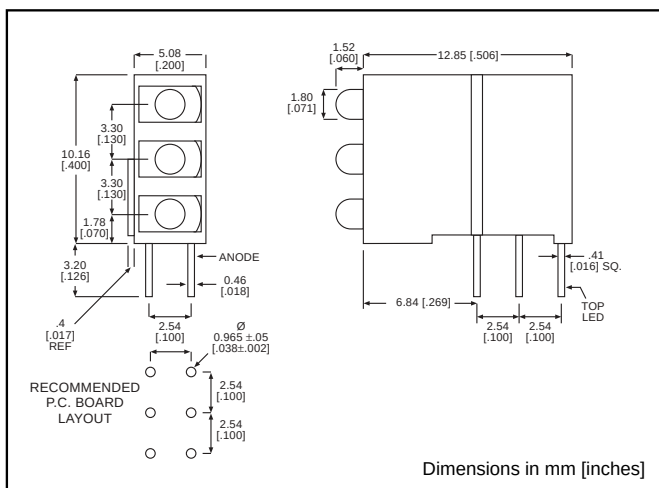


2mm

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

Dialight

570-0100-xxx



PART NO.

COLOR*

570-0100-111

Red-Red-Red

570-0100-132

Red-Yellow-Green

570-0100-222

Green-Green-Green

570-0100-333

Yellow-Yellow-Yellow

* Top-Middle-Bottom LED

3

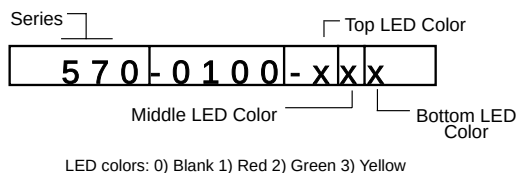
Features

- 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: ± 0.02 mm [± 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

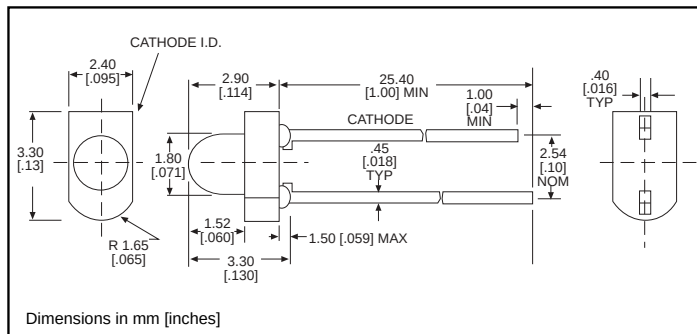
Part Number	Color	Peak Wavelength nm	I_V^* mcd	V_F^{**} Volts	Viewing Angle $2\theta_{1/2}$	LED Data sheet	Page #
570-0100-xxx	Red	635	12.6	2	38°	521-9630	3-13
	Green	565	8.7	2.1	38°	521-9632	3-13
	Yellow	585	12.6	2.1	38°	521-9631	3-13

* $I_F = 10$ mA ** $I_F = 20$ mA

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_A=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_A=25°C)

		Red -9630	Yellow -9631	Green -9632
Luminous Intensity (mcd)	Min.	3.7	3.7	2.5
I _F =10mA	Typical	12.6	12.6	8.7
Peak Wavelength (nm)	Typical	635	585	565
λ Peak				
Viewing Angle (2θ _{1/2})	Typical	38°	38°	38°
Forward Voltage (V)	Typical	2	2.1	2.1
I _F =20mA	Max.	2.8	2.8	2.8
Reverse Voltage (V), I _R =100μA	Min.	5	5	5

θ_{1/2} is the off axis angle at which the luminous intensity is half the axial luminous intensity