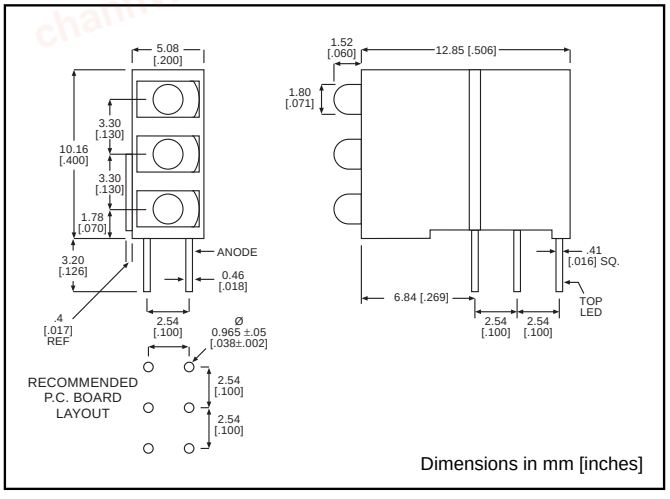
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2mm LED CBI® Circuit Board Indicator (DIN 41494 Compatible), Tri-Level

Dialight

570-0100-xxx



Dimensions in mm [inches]

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

Series: 570-0100-xxx

Top LED Color

Middle LED Color

Bottom LED Color

LED colors: 0) Blank 1) Red 2) Green 3) Yellow

Tolerance note: As noted, otherwise:

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

Typical Operating Characteristics (T_A = 25°C)

See LED data sheet for additional information

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

See Page 3-19 for Pin Out

GENERAL PURPOSE

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

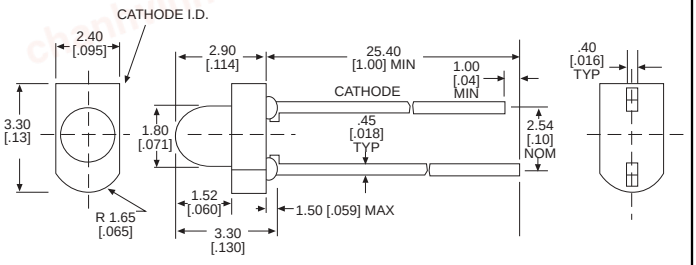
* I_F = 10 mA **I_F = 20 mA

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2mm Discrete LED Diffused

Dialight

521-9630, -9631, -9632



Dimensions in mm [inches]

PART NO.	COLOR
521-9630	Red
521-9631	Yellow
521-9632	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) λ Peak	Typical	635	585	565
Viewing Angle ($2\Theta_{1/2}$)	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 ½is the off axis angle at which the luminous intensity is half the axial luminous intensity