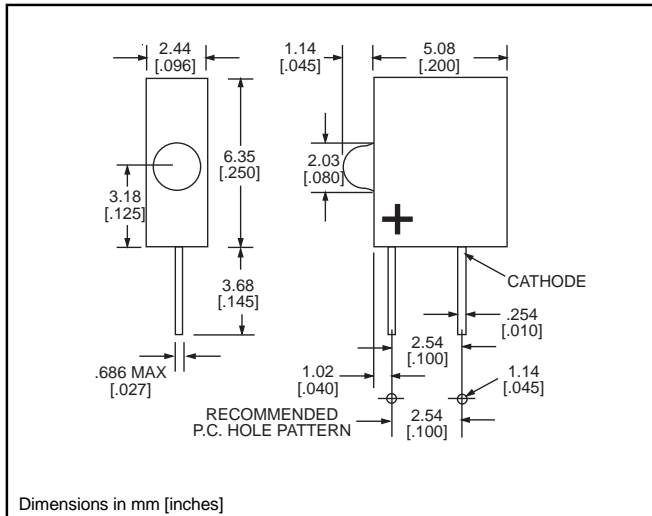


2mm

LED CBI® Circuit Board Indicator
Single

Dialight

555-2xxx



Dimensions in mm [inches]

PART NO.

COLOR

GENERAL PURPOSE

555-2001
555-2301
555-2401

Red
Green
Yellow

INTEGRAL RESISTOR, 5 Volt

555-2003
555-2004
555-2007
555-2009
555-2303
555-2403

Red
Red
Red
Red
Green
Yellow

INTEGRAL RESISTOR, VARIOUS VOLTAGES

555-2002
555-2005
555-2006
555-2008
555-2010

Red, 3.6V
Red, 10V
Red, 14V
Red, 24V
Red, 15V

Benefits

- Small 2mm design conserves board space
- Available with a variety of LEDs
- Housing material meets UL94 V-0
- Black housing enhances contrast
- Vibration and shock resistant
- High reliability - life measured in years
- Compatible with 555-4xxx Quad Block

LED Data

- For absolute maximum ratings and other optical/electrical data refer to the LED Data Sheets

Typical Operating Characteristics (T_A = 25°C)

GENERAL PURPOSE

Part Number	Color	Peak Wavelength nm	I _v mcd	V _F Volts	Test Current (mA)	Viewing Angle 2Θ _{1/2}	LED Data sheet	Page #
555-2001	Red	650	1.2	1.6	20	40°	2ND-9412	3-14
555-2301	Green	565	1	2.4	20	40°	2ND-9414	3-14
555-2401	Yellow	583	2	2.2	20	40°	2ND-9416	3-14

INTEGRAL RESISTOR - 5V

Part Number	Color	Peak Wavelength nm	I _v mcd	I _F mA	Test Voltage	Viewing Angle 2Θ _{1/2}	LED Data sheet	Page #
555-2003	Red	650	1.9	6	5	40°	2RD-9614	3-15
555-2004	Red	650	5.2	17	5	40°	2RD-9617	3-15
555-2007	Red	650	.9	3	5	40°	2RD-9613	3-15
555-2009	Red	650	.6	1	5	40°	2RD-9618	3-15
555-2303	Green	565	2.5	4.7	5	40°	2RD-9615	3-15
555-2403	Yellow	583	2.1	4.7	5	40°	2RD-9616	3-15

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INTEGRAL RESISTOR, VARIOUS VOLTAGES

Part Number	Color	Peak Wavelength nm	I _v mcd	I _F mA	Test Voltage	Viewing Angle 2Θ _{1/2}	LED Data sheet	Page #
555-2002	Red	650	6.2	20	3.6	40°	2RD-9620	3-15
555-2005	Red	650	4.2	14	10	40°	2RD-9621	3-15
555-2006	Red	650	3.1	10	14	40°	2RD-9619	3-15
555-2008	Red	650	.9	3	24	40°	2RD-9623	3-15
555-2010	Red	650	.9	3	15	40°	2RD-9622	3-15

NOTE: See LED Data sheets for additional information.



**2mm
Integral Resistor
Diffused**

Dialight

2RD-xxxx

*** NOT A VALID PART
NUMBER. THIS SHEET IS FOR
REFERENCE ONLY.**

<u>TYPE</u>	<u>COLOR</u>
5 Volt Types	
2RD-9613*	Red
2RD-9614*	Red
2RD-9615*	Green
2RD-9616*	Yellow
2RD-9617*	Red
2RD-9618*	Red

Various Voltages	
2RD-9619*	Red, 14V
2RD-9620*	Red, 3.6V
2RD-9621*	Red, 10V
2RD-9622*	Red, 15V
2RD-9623*	Red, 24V

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ABSOLUTE MAXIMUM RATINGS (T _A =25°C)	Red 5V -9613	Red 5V -9614	Green 5V -9615	Yellow 5V -9616	Red 5V -9617	Red 5V -9618
Forward Voltage (V)	6	6	6	6	6	6
Operating Temperature (°C)	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100
Soldering Temperature	260°C, 5 seconds, 1.6 mm from case					

OPERATING CHARACTERISTICS (T _A =25°C)		Red 5V -9613	Red 5V -9614	Green 5V -9615	Yellow 5V -9616	Red 5V -9617	Red 5V -9618
Luminous Intensity (mcd) V _F =5V	Min.	.4	.8	.8	1.3	2.2	.3
	Typical	.9	1.9	2.5	2.1	5.2	.6
Peak Wavelength (nm) λ _{Peak}	Typical	650	650	565	583	650	650
Viewing Angle (2θ½)	Typical	40°	40°	40°	40°	40°	40°
Forward Current (mA) V _F =5V	Typical	3	6	4.7	4.7	17	1
	Max.	4	8	6.7	6.7	21	2.6
Reverse Voltage (V), I _R =100µA	Min.	6	6	6	6	6	6

2RD-xxxx

*** NOT A VALID PART
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ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$)	Red 14V -9619	Red 3.6V -9620	Red 10V -9621	Red 15V -9622	Red 24V -9623
Forward Voltage	14	3.6	10	15	24
Operating Temperature ($^\circ\text{C}$)	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100
Storage Temperature ($^\circ\text{C}$)	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100
Soldering Temperature	260 $^\circ\text{C}$, 5 seconds, 1.6 mm from case				

OPERATING CHARACTERISTICS ($T_A=25^\circ\text{C}$)	Red 14V -9619	Red 3.6V -9620	Red 10V -9621	Red 15V -9622	Red 24V -9623	
Luminous Intensity (mcd) V_F =Forward Voltage	Min.	1.3	2.6	1.8	.3	.4
	Typical	3.1	6.2	4.2	.9	.9
Peak Wavelength (nm) λ Peak	Typical	650	650	650	650	650
Viewing Angle ($2\theta_{1/2}$)	Typical	40 $^\circ$	40 $^\circ$	40 $^\circ$	40 $^\circ$	40 $^\circ$
Forward Current (mA) V_F =Forward Voltage	Typical	10	20	14	3	3
	Max.	15	25	18	3.8	3.8
Reverse Voltage (V), $I_R=100\mu\text{A}$	Typical	15	4.6	11	16	25

Dialight