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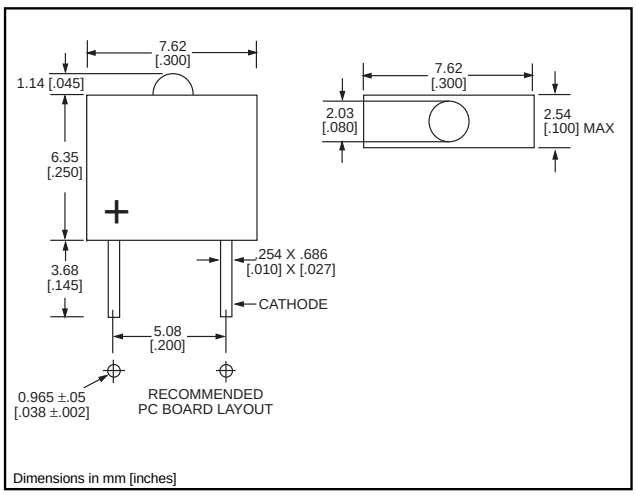
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Find the *Dailight 555-3003* at our website: ***Click HERE***

2mm
LED CBI® Circuit Board Indicator
Single, Top View

Dialight

555-3xxx



PART NO.	COLOR
GENERAL PURPOSE	
555-3001	Red
555-3301	Green
555-3401	Yellow
INTEGRAL RESISTOR, VARIOUS VOLTAGES	
555-3003	Red, 5V
555-3006	Red, 14V
555-3007	Red, 5V
555-3008	Red, 24V
555-3009	Red, 5V
555-3303	Green, 5V
555-3403	Yellow, 5V

Features

- Multiple CBIs form horizontal LED arrays on 2.54mm (0.100”) center-lines
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 31.5%
- Polymer content: PBT, 0.090 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
- Compatible with: 555-5xxx Quad Block

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	Test Current (mA)	Viewing Angle $2\Theta_{1/2}$	LED Data sheet	Page #
555-3001	Red	650	1.2	1.6	20	40°	2ND-9412	3-14
555-3301	Green	565	1	2.4	20	40°	2ND-9414	3-14
555-3401	Yellow	583	2	2.2	20	40°	2ND-9416	3-14

INTEGRAL RESISTOR, VARIOUS VOLTAGES

Part Number	Color	Peak Wavelength nm	I_V mcd	I_F mA	Test Voltage	Viewing Angle $2\Theta_{1/2}$	LED Data sheet	Page #
555-3003	Red	650	1.9	6	5	40°	2RD-9614	3-15
555-3006	Red	650	3.1	10	14	40°	2RD-9619	3-16
555-3007	Red	650	.9	3	5	40°	2RD-9613	3-15
555-3008	Red	650	.9	3	24	40°	2RD-9623	3-16
555-3009	Red	650	.6	1	5	40°	2RD-9618	3-15
555-3303	Green	565	2.5	4.7	5	40°	2RD-9615	3-15
555-3403	Yellow	583	2.1	4.7	5	40°	2RD-9616	3-15

2mm
General Purpose
Diffused

Dialight

2ND-xxxx

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

TYPE	COLOR
2ND-9412*	Red
2ND-9414*	Green
2ND-9416*	Yellow

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)	Red **-9412**	Green **-9414**	Yellow **-9416**
Power Dissipation (mW)	80	80	80
Derating (mW/°C) *From 25°C*	1.1	1.1	1.1
Forward Current (mA)	40	25	25
Peak Current (mA) *Pulse width = 1 µs*	250	250	250
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 **-9412**	Green **-9414**	Yellow **-9416**
Luminous Intensity (mcd)	Min.	1	.5	.6
I_F=20mA	Typical	1.2	1	2
Peak Wavelength (nm) λ Peak	Typical	650	565	583
Viewing Angle ($2\Theta_{1/2}$)	Typical	40°	40°	40°
Forward Voltage (V)	Typical	1.6	2.4	2.2
I_F=20mA	Max.	2	3	3
Reverse Voltage (V), I_R=10µA	Min.	3	3	3

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

2mm
Integral Resistor, 5 Volts
Diffused

Dialight

2RD-9613 thru 2RD-9618

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

TYPE	COLOR
2RD-9613*	Red
2RD-9614*	Red
2RD-9615*	Green
2RD-9616*	Yellow
2RD-9618*	Red

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ABSOLUTE MAXIMUM RATINGS (T_A=25°C)	Red **-9613**	Red **-9614**	Green **-9615**	Yellow **-9616**	Red **-9618**
Forward Voltage (V)	6	6	6	6	6
Operating Temperature (°C)	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-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 **9613**	Red **-9614**	Green **-9615**	Yellow **-9616**	Red **-9618**
Luminous Intensity (mcd)	Min.	.4	.8	.8	1.3	.3
V_F=5V	Typical	.9	1.9	2.5	2.1	.6
Peak Wavelength (nm) λ Peak	Typical	650	650	565	583	650
Viewing Angle ($2\Theta_{1/2}$)	Typical	40°	40°	40°	40°	40°
Forward Current (mA)	Typical	3	6	4.7	4.7	1
V_F=5V	Max.	4	8	6.7	6.7	2.6
Reverse Voltage (V), I_R=100µA	Min.	6	6	6	6	6

2mm
Integral Resistor, Various Voltages
Diffused

Dialight

2RD-9619 thru 2RD-9623

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

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

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)	Red 14V -9619	Red 3.6V -9620	Red 10V -9621	Red 15V -9622	Red 24V -9623
Forward Voltage (V)	14	3.6	10	15	24
Operating Temperature (°C)	-55/+100	-55/+100	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-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 14V -9619	Red 3.6V -9620	Red 10V -9621	Red 15V -9622	Red 24V -9623
Luminous Intensity (mcd)	Min.	1.3	2.6	1.8	.3	.4
V_F=Forward Voltage	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°	40°	40°	40°	40°
Forward Current (mA)	Typical	10	20	14	3	3
V_F=Forward Voltage	Max.	15	25	18	3.8	3.8
Reverse Voltage (V), I_R=100µA	Typical	15	4.6	11	16	25

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Dialight:

555-3007F 555-3003F 555-3403F 555-3301 555-3009F 555-3303 555-3303F 555-3401 555-3001 555-3003 555-3401F 555-3007 555-3001F 555-3403 555-3008 555-3009 555-3301F 555-3008F 555-3004 555-3006

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