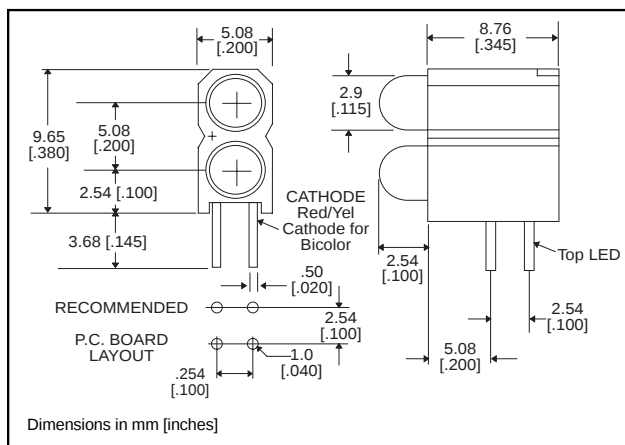


3mm

LED CBI® Circuit Board Indicator Bi-level

Dialight

553-xxxx-300



Standard Polarity shown in drawing: Cathode right

Features

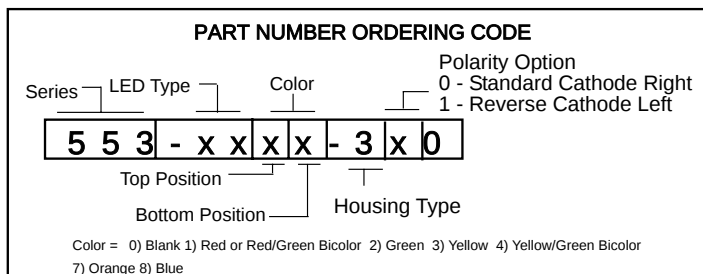
- Multiple CBIs form horizontal LED arrays on 5.08mm (0.200") center-lines.
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 32%
- Polymer content: PBT, 0.405 g
- Housing stand-offs facilitate PCB cleaning
- Solderability per MIL-STD-202F, method 208F
- LEDs are safe for direct viewing per IEC 825-1, EN-60825-1
- Compatible with:
553-xxxx-306 Bi-Level Array

Tolerance note: As noted, otherwise:

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

Custom Combinations

- Contact factory for information on custom bi-level arrays and color combinations.



PART NO.

HIGH EFFICIENCY - LED TYPE 01

553-0111-300
553-0122-300
553-0133-300
553-0177-300
553-0188-300

COLOR*

Red
Green
Yellow
Orange
Blue³



LOW CURRENT - LED TYPE 02

553-0211-300
553-0222-300
553-0233-300

Red
Green
Yellow

RESISTOR 5 VOLTS - LED TYPE 03

553-0311-300
553-0322-300
553-0333-300

Red
Green
Yellow

BI-COLOR - LED TYPE 07

553-0711-300
553-0744-300

Red/Green
Yellow/Green

NON-DIFFUSED - LED TYPE 22

553-2211-300
553-2222-300
553-2233-300

Red
Green
Yellow

* Top-Bottom LED

REVERSE POLARITY OPTION AVAILABLE

See Part Number Ordering Code below.



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE
DEVICES

Typical Operating Characteristics ($T_A=25^\circ\text{C}$)

See LED data sheet for additional information
See page 4-70 and 4-71 for Reference Only LED Drive Circuit Examples. See page 4-72 for Pin Out

HIGH EFFICIENCY

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 #
553-0111-300	Red	650	10	2	10	45°	521-9427	4-64
553-0122-300	Green	563	16	2.1	10	45°	521-9408	4-64
553-0133-300	Yellow	585	6.3	2.1	10	45°	521-9428	4-64
553-0177-300	Orange	600	7	2.2	10	60°	521-9498	4-58
553-0188-300	Blue	428	12	3.5	10	70°	521-9831	4-57

LOW CURRENT

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 #
553-0211-300	Red	635	1.6	1.7	2	60°	521-9324	4-60
553-0222-300	Green	565	1.6	1.9	2	60°	521-9326	4-60
553-0233-300	Yellow	585	1.6	1.8	2	60°	521-9325	4-60

INTEGRAL RESISTOR, 5 VOLTS

Part Number	Color	Peak Wavelength nm	I _v mcd	Test Voltage	Forward Current (mA)	Viewing Angle 2 $\theta_{1/2}$	LED Data sheet	Page #
553-0311-300	Red	635	29	5	10	60°	521-9215	4-59
553-0322-300	Green	565	19	5	10	60°	521-9323	4-59
553-0333-300	Yellow	585	12.6	5	10	60°	521-9322	4-59

BI-COLOR

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 #
553-0711-300	Red/Green	635/565	4.7/10	2/2.1	10	50°	521-9459	4-63
553-0744-300	Yellow/Green	585/565	4.3/6.3	2.1*/2.1*	10	80°	521-9478	4-62

* I_F = 20mA

NON-DIFFUSED

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 #
553-2211-300	Red	635	29	2	10	45°	521-9432	4-61
553-2222-300	Green	565	50	2.1	10	45°	521-9430	4-61
553-2233-300	Yellow	585	20	2.1	10	45°	521-9431	4-61

* I_F = 20mA