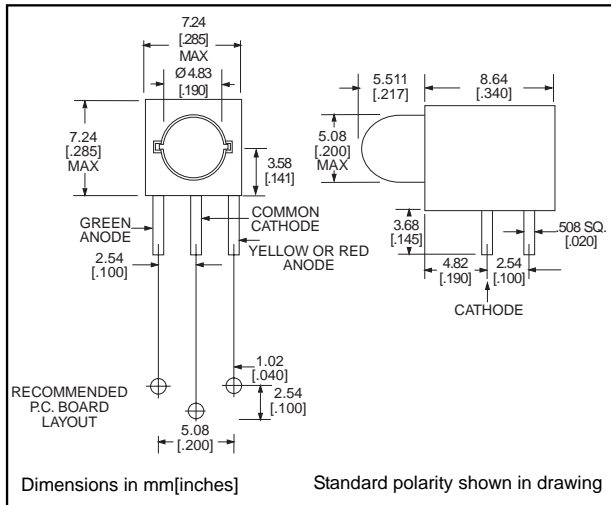


5mm
LED CBI® Circuit Board Indicator
3 Leaded, Bi-Color, Common Cathode



550-3x05



PART NO.
 550-3505
 550-3605

COLOR
 Red/Green
 Yellow/Green

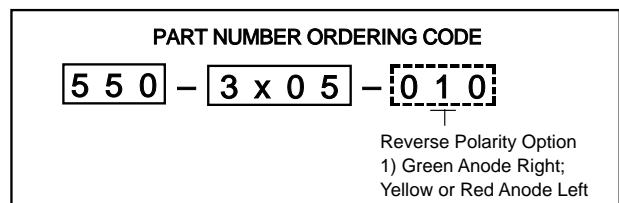
To order any of the 550-3x05 part numbers with Reverse Polarity (Green Anode Right; Yellow or Red Anode Left), please add -010 to the part numbers shown above. **NEW**

Features

- Common Cathode simplifies design, and the red/green LED provides yellow-orange as a third color
- Multiple CBIs form horizontal LED arrays on 7.24mm (0.285") center-lines.
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 32%
- Polymer content: PBT, 0.462 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

Tolerance note: As noted, otherwise:

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



-010 Ordering Code Suffix required ONLY for Reverse Polarity Option

Typical Operating Characteristics (T_A=25°C)

See LED data sheet for additional information

See page 6-55 and 6-56 for Reference Only LED Drive Circuit Examples. See page 6-57 for Pin Out

| Part Number | Color | Peak Wavelength nm | I _v mcd | V _F Volts | Test Current (mA) | Viewing Angle 2θ% | LED Data sheet | Page # |
|-------------|--------------|--------------------|--------------------|----------------------|-------------------|-------------------|----------------|--------|
| 550-3505 | Red/Green | 635/565 | 5/8 | 2.1/2.3 | 10 | 65° | 521-9450 | 6-45 |
| 550-3605 | Yellow/Green | 583/565 | 5/8 | 2.1/2.1 | 10 | 65° | 521-9460 | 6-45 |

**5mm Discrete LED
Bi-Color
3 Ledged, Non-Tinted, Diffused**



521-9450, -9460



| PART NO. | LED COLOR |
|----------|-------------------------|
| 521-9450 | Red/Green |
| 521-9460 | Yellow/Green NEW |

MOUNTING CLIP: 515-0004
located on page 6-48

ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$)

| | Red/Green -9450 | Yellow/Green -9460 |
|---|------------------------------------|------------------------------|
| Power Dissipation (mW) | 135/135 | 135/135 |
| Forward Current (mA) | 25/25 | 25/25 |
| Derating (mA/°C) From 50°C 1. From 40°C | .5/.5 | .5/.5 |
| Peak Current (mA) | 90/90 | 90/90 |
| Pulse width = 10 μs | | |
| Operating Temperature (°C) | -20/+85 | -20/+85 |
| Storage Temperature (°C) | -55/+100 | -55/+100 |
| Soldering Temperature | 260°C, 5 seconds, 1.6 mm from case | |

Solder Adherence per MIL-STD-202E, Method 208C

OPERATING CHARACTERISTICS ($T_A=25^\circ\text{C}$)

| | | Red/Green -9450 | Yellow/Green -9460 |
|---|---------|---------------------------|------------------------------|
| Luminous Intensity (mcd) | Min. | 2.1/4.2 | 2.1/4.2 |
| $I_F=10\text{mA}$ | Typical | 5/8 | 5/8 |
| Peak Wavelength (nm) | Typical | 635/565 | 583/565 |
| λ_{Peak} | | | |
| Viewing Angle ($2\theta^{\frac{1}{2}}$) | Typical | 65° | 65° |
| Forward Voltage (V) | Typical | 2.1/2.3 | 2.1/2.1 |
| $I_F=10\text{mA}$ | Max. | 2.5/2.7 | 2.5/2.5 |

$\theta^{\frac{1}{2}}$ is the off axis angle at which the luminous intensity is half the axial luminous intensity

6

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [LED Circuit Board Indicators](#) category:

Click to view products by [Dialight](#) manufacturer:

Other Similar products are found below :

[568-0701-841F](#) [LTL-4221NH129](#) [LTL-42DGNMHDP1](#) [HLMP1521101](#) [HLMP1523802F](#) [HLMP1700101F](#) [HLMP1700104F](#) [BHA-1564-G](#)
[SMF-HM1530YD-305](#) [SSF-LXH409SYSUGW](#) [AM2520EHSGD](#) [HLMP1301104F](#) [HLMP1385101F](#) [HLMP1421101](#) [HLMP1503103F](#)
[HLMP1503104F](#) [HLMP1700102F](#) [HLMP1700106F](#) [HLMP1700107F](#) [HLMP1790101F](#) [HLMP1790103F](#) [LTL-4211NHBP](#) [5390H3](#) [551-](#)
[2802F](#) [552-0794-810F](#) [553-0222-812F](#) [HT3-BC-T](#) [564-0700-831F](#) [WP59BLGEW](#) [103-3101-1231-403](#) [5502407811F](#) [550-3007-810F](#) [551-](#)
[3307MF](#) [552080-1](#) [573-2399-100F](#) [592-2020-302F](#) [5932-927-2701-3F](#) [SMF-HM1530SRD-509](#) [SSF-LXH100MID](#) [SSF-LXH2103SRSDRP](#)
[SSF-LXH555USBW](#) [WP937SB/4YGW](#) [WP937EB2EGW](#) [551-0312-802F](#) [553-0110-802F](#) [561-5501-050F](#) [6202T3-5VLC](#) [LTL-307G08A-D](#)
[CMD57164](#) [568-2231-313F](#)