**HB Indicators**

Complement to HB Pushbuttons

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### TYPICAL INDICATOR ORDERING EXAMPLE

<table>
<thead>
<tr>
<th>HB</th>
<th>01</th>
<th>K</th>
<th>W01</th>
<th>5C</th>
<th>CB</th>
</tr>
</thead>
</table>

#### Shapes
- **01** Square
- **02** Round

#### Housing
- **K** Black

#### Terminals
- **W01** Silver Solder Lug

#### LEDs
- **5C** Red
- **5D** Amber
- **5F** Green

#### Cap Types & Colors
- **CB** Red/White
- **DB** Amber/White
- **FB** Green/White
- **JB** Clear/White

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**DESCRIPTION FOR TYPICAL ORDERING EXAMPLE**

**HB01KW01-5C-CB**

- Square Shape
- Black Housing
- Red Lens and White Diffuser with Red, Bright LED
- Silver Solder Lug Terminals

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**LED COLORS & SPECIFICATIONS**

The electrical specifications shown are determined at a basic temperature of 25°C.

LED circuit is isolated and requires external power source. Single element LED is colored in OFF state.

If the source voltage exceeds the rated voltage, a ballast resistor is required.

The resistor value can be calculated by using the formula in the Supplement section.

<table>
<thead>
<tr>
<th>Bright</th>
<th>Super Bright</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT633</td>
<td>AT624G Blue</td>
</tr>
<tr>
<td>AT629B White</td>
<td>AT630F Green</td>
</tr>
<tr>
<td>T-1 Bi-pin</td>
<td></td>
</tr>
</tbody>
</table>

#### Note for Super Bright:

- ATTENTION ELECTROSTATIC SENSITIVE DEVICES

<table>
<thead>
<tr>
<th>Color</th>
<th>5C</th>
<th>5D</th>
<th>5F</th>
<th>6B</th>
<th>6F</th>
<th>6G</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>mA</td>
</tr>
<tr>
<td>Amber</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>mA</td>
</tr>
<tr>
<td>Green</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>mA</td>
</tr>
<tr>
<td>White</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>mA</td>
</tr>
<tr>
<td>Green</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>mA</td>
</tr>
<tr>
<td>Blue</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>mA</td>
</tr>
</tbody>
</table>

- **Maximum Forward Current** $I_{FM}$
- **Typical Forward Current** $I_f$
- **Forward Voltage** $V_f$
- **Maximum Reverse Voltage** $V_{RM}$
- **Current Reduction Rate Above 25°C** $\Delta I_f$
- **Ambient Temperature Range**

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**ATTENTION ELECTROSTATIC SENSITIVE DEVICES**

04/06/20
Complement to HB Pushbuttons

### CAP TYPES & COLORS

**Colored Cap for Bright LEDs**

- **Lens/Diffuser**
  - **Colors Available:**
    - **CB** Red/White
    - **DB** Amber/White
    - **FB** Green/White

- **Material:** Polycarbonate  
  **Finish:** Glossy

- **AT4168** Square
- **AT4169** Round

- **Transparent Colored Lens**
- **Translucent White Diffuser**
- **Colored LED**
  AT633

**White Cap for Bright & Super Bright LEDs**

- **JB Clear Lens/White Diffuser**

- **Material:** Polycarbonate  
  **Finish:** Glossy

- **AT4033** Square
- **AT4034** Round

- **Transparent Clear Lens**
- **Translucent White Diffuser**
- **Colored LEDs**
  AT624, AT629, AT630, or AT633

### TYPICAL INDICATOR DIMENSIONS

**Square**

- **Recommended Panel Thickness:** .020” ~ .197” (0.5 ~ 5.0mm)

- **Dimensions:**
  - Width: 1.74 (44.3 mm)
  - Height: 1.74 (44.3 mm)
  - Depth: 0.52 (13.2 mm)

- **M8P0.75 1.0 x 2.0**
  - Thread Pitch: 0.39 (.012)

- **HB01KW01-5C-CB**

**Round**

- **Recommended Panel Thickness:** .020” ~ .197” (0.5 ~ 5.0mm)

- **Dimensions:**
  - Diameter: 1.74 (44.3 mm)
  - Height: 0.52 (13.2 mm)

- **M8P0.75 1.0 x 2.0**
  - Thread Pitch: 0.39 (.012)

- **HB02KW01-5C-CB**

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