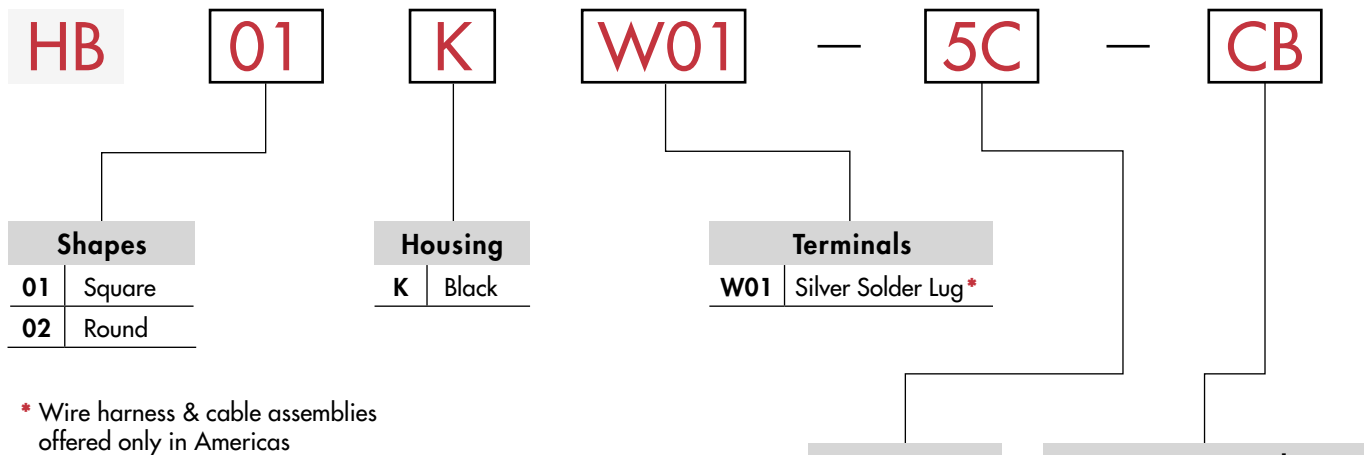
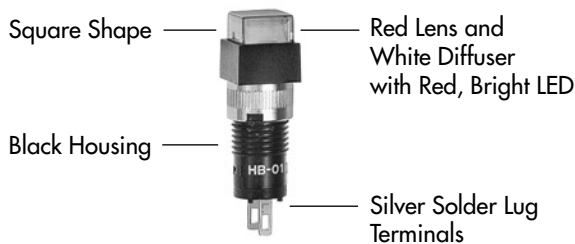


### TYPICAL INDICATOR ORDERING EXAMPLE



### DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

**HB01KW01-5C-CB**




| Bright |       | LED Cap: Lens/Diffuser Color |             |
|--------|-------|------------------------------|-------------|
| 5C     | Red   | CB                           | Red/White   |
| 5D     | Amber | DB                           | Amber/White |
| 5F     | Green | FB                           | Green/White |
|        |       | JB                           | Clear/White |

| Super Bright |       | LED Cap: Lens/Diffuser Color |             |
|--------------|-------|------------------------------|-------------|
| 6B           | White | JB                           | Clear/White |
| 6F           | Green |                              |             |
| 6G           | Blue  |                              |             |

### 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.

| Bright<br>AT633 | Super Bright<br>AT624G<br>Blue | Super Bright<br>AT629B<br>White | Super Bright<br>AT630F<br>Green | T-1 Bi-pin | Note for Super Bright:<br> | Bright       |              |       | Super Bright |              |      | Unit |       |
|-----------------|--------------------------------|---------------------------------|---------------------------------|------------|---|--------------|--------------|-------|--------------|--------------|------|------|-------|
|                 |                                |                                 |                                 |            |   | 5C           | 5D           | 5F    | 6B           | 6F           | 6G   |      |       |
|                 |                                |                                 |                                 |            | Color   | Red          | Amber        | Green | White        | Green        | Blue |      |       |
|                 |                                |                                 |                                 |            | Forward Peak Current  | $I_{FM}$     | 30           | 30    | 25           | 30           | 30   | 30   | mA    |
|                 |                                |                                 |                                 |            | Continuous Forward Current  | $I_F$        | 20           | 20    | 20           | 20           | 20   | 20   | mA    |
|                 |                                |                                 |                                 |            | Forward Voltage   | $V_F$        | 1.85         | 2.0   | 2.2          | 3.6          | 3.5  | 3.6  | V     |
|                 |                                |                                 |                                 |            | Reverse Peak Voltage  | $V_{RM}$     | 5            | 5     | 5            | 5            | 5    | 5    | V     |
|                 |                                |                                 |                                 |            | Current Reduction Rate Above 25°C   | $\Delta I_F$ | 0.40         | 0.42  | 0.38         | 0.50         | 0.50 | 0.50 | mA/°C |
|                 |                                |                                 |                                 |            | Ambient Temperature Range   |              | -25° ~ +50°C |       |              | -25° ~ +50°C |      |      |       |

Toggles  
 Rockers  
 Pushbuttons  
 Illuminated PB  
 Programmable  
 Keylocks  
 Rotaries  
 Slides  
 Tactiles  
 Tilt  
 Touch  
 Indicators  
 Accessories  
 Supplement

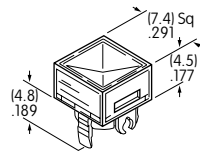
## CAP TYPES & COLORS

### Colored Cap for Bright LEDs

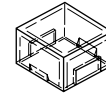
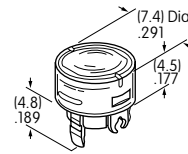
Lens/Diffuser  
Colors Available:

- CB** Red/White
- DB** Amber/White
- FB** Green/White

**AT4168**  
Square



**AT4169**  
Round



Transparent Colored Lens



Translucent White Diffuser



Colored LED AT633

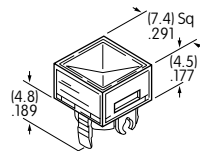
Material: Polycarbonate Finish: Glossy

### White Cap for Bright & Super Bright LEDs

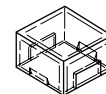
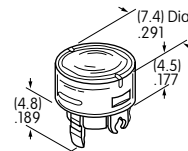
**JB** Clear Lens/  
White Diffuser

Material: Polycarbonate  
Finish: Glossy

**AT4033**  
Square



**AT4034**  
Round



Transparent Clear Lens



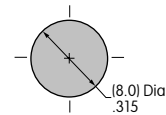
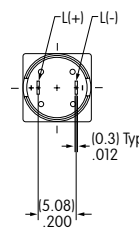
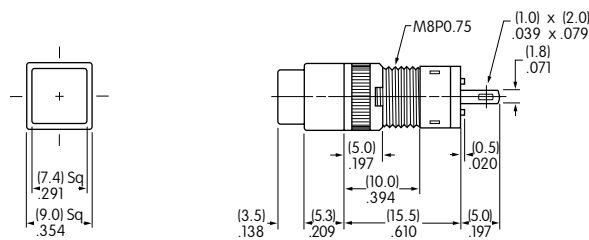
Translucent White Diffuser



Colored LEDs AT624, AT629, AT630, or AT633

## TYPICAL INDICATOR DIMENSIONS

### Square

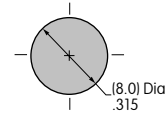
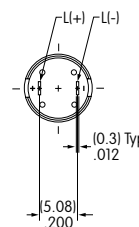
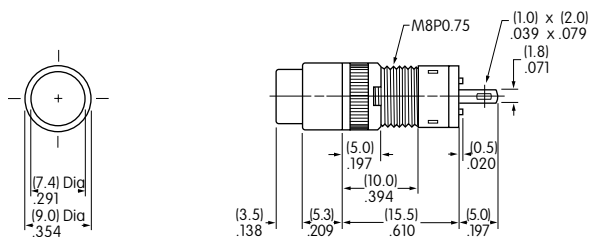


Recommended Panel Thickness: .020" ~ .197" (0.5 ~ 5.0mm)



HB01KW01-5C-CB

### Round



Recommended Panel Thickness: .020" ~ .197" (0.5 ~ 5.0mm)



HB02KW01-5C-CB

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[HB01KW01](#) [HB01KW01-5C-CB](#) [HB01KW01-5C-JB](#) [HB01KW01-5D-DB](#) [HB01KW01-5D-JB](#) [HB01KW01-5F-JB](#)  
[HB01KW01-6B-JB](#) [HB01KW01-6F-JB](#) [HB01KW01-6G-JB](#) [HB02KW01-5D-DB](#) [HB02KW01-5F-FB](#) [HB02KW01-5F-JB](#)  
[HB02KW01-6B-DB](#) [HB02KW01-6B-JB](#) [HB02KW01-6F-FB](#) [HB02KW01-6G-JB](#)