

## TYPICAL INDICATOR ORDERING EXAMPLE

YB

04

K

W01

12

FB

## Shapes

## Bushing Mounting

|    |             |
|----|-------------|
| 01 | Square      |
| 02 | Round       |
| 03 | Rectangular |

## Snap-in Mounting

|    |             |
|----|-------------|
| 04 | Square      |
| 05 | Round       |
| 06 | Rectangular |

## Panel Seal

|         |                                      |
|---------|--------------------------------------|
| No Code | Without Panel Seal                   |
| W       | With Panel Seal (Bushing Mount only) |

## Housing

|   |            |
|---|------------|
| K | Black only |
|---|------------|

## Terminals

|     |                                                  |
|-----|--------------------------------------------------|
| W01 | Silver Solder Lug/.110" (2.8mm)<br>Quick Connect |
|-----|--------------------------------------------------|

## Lamps

## Incandescent Lamp

|    |         |
|----|---------|
| 05 | 5-volt  |
| 12 | 12-volt |

## Bright LED

| LED Colors |       | Resistor |             |
|------------|-------|----------|-------------|
| 5C         | Red   | No Code  | No Resistor |
| 5D         | Amber | 05       | 5-volt      |
|            |       | 12       | 12-volt     |
| 5F         | Green | 24       | 24-volt     |

## Super Bright LED

|    |       |
|----|-------|
| 6B | White |
| 6F | Green |
| 6G | Blue  |

## Bicolor LED

| LED Colors |           | Forward Voltage |                      |
|------------|-----------|-----------------|----------------------|
| 2CF        | Red/Green | 02              | 2-volt (no resistor) |
|            |           | 05              | 5-volt               |
|            |           | 12              | 12-volt              |
|            |           | 24              | 24-volt              |

## Cap Types &amp; Colors

## Solid Cap: Lens/Insert Colors

|    |              |
|----|--------------|
| BB | White/White  |
| CB | Red/White    |
| EB | Yellow/White |
| FB | Green/White  |
| GB | Blue/White   |

## LED Cap: Lens/Insert Colors

|    |             |
|----|-------------|
| JB | Clear/White |
| JC | Clear/Red   |
| JD | Clear/Amber |
| JF | Clear/Green |

## LED Cap: Lens/Insert Colors

|    |             |
|----|-------------|
| JB | Clear/White |
|----|-------------|

## LED Cap: Lens/Insert Colors

|    |             |
|----|-------------|
| JB | Clear/White |
|----|-------------|

## DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

YB04KW01-12-FB

Square  
with Snap-in Mounting

Black Housing

Green Solid Cap  
12-volt Incandescent LampSilver Solder Lug/.110" (2.8mm)  
Quick Connect Terminals

### SHAPES & MOUNTING TYPES

#### Bushing Mounting

#### Snap-in Mounting

**01** Square

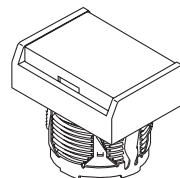
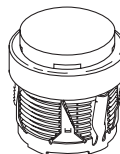
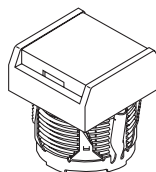
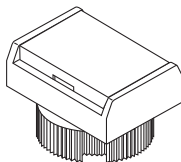
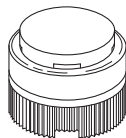
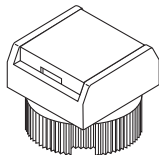
**02** Round

**03** Rectangular

**04** Square

**05** Round

**06** Rectangular



Bezel-barrier is an integral part of the indicator body.

### PANEL SEAL

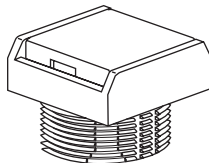
**No Code**

Without Panel Seal

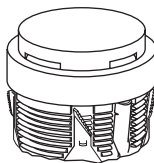
**W**

With Panel Seal

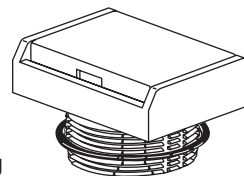
Bushing Mounting



Snap-in Mounting



Bushing Mounting only



Supplied with mounting nut.

Supplied with mounting nut and o-ring AT089.

### INCANDESCENT LAMP & SOLID CAP

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

AT611



T-1 Bi-pin

**05**

**12**

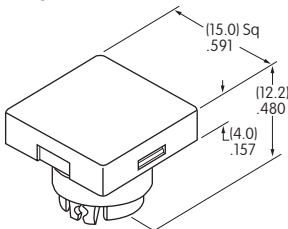
|                           |       |               |        |
|---------------------------|-------|---------------|--------|
| Voltage                   | V     | 5V AC         | 12V AC |
| Current                   | I     | 115mA         | 60mA   |
| MSCP                      |       | .150          | .150   |
| Endurance                 | Hours | 7,000 average |        |
| Ambient Temperature Range |       | -25°C ~ +50°C |        |

#### Solid Cap for Incandescent Lamp

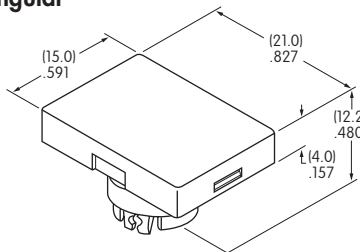
Lens/Insert  
Colors Available:

- BB** White/White
- CB** Red/White
- EB** Yellow/White
- FB** Green/White
- GB** Blue/White

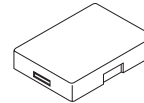
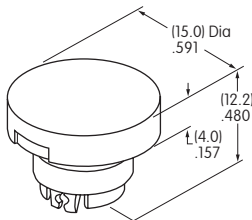
AT3001  
Square



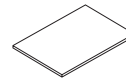
AT3003  
Rectangular



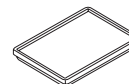
AT3002  
Round



Translucent Colored Lens



Translucent White Insert



Translucent White Seal/Filter



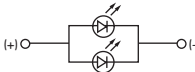
Incandescent Lamp AT611

Materials: Polycarbonate (Lens & Insert)  
Thermoplastic Elastomer (Seal/Filter)  
Finish: Glossy

BRIGHT LEDS & LED CAPS

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

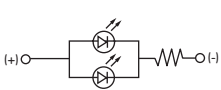
Electrical Specifications for Bright LED without Resistor

|                                                                                                                                                                                                                                             |                                   |                   |                     |                     |                                |       |       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------|---------------------|---------------------|--------------------------------|-------|-------|--|
| <div>Bright<br/>AT628</div> <div></div> <div></div> <div>T-1 Bi-pin</div> | Colors Available:                 | <div>5C</div> Red | <div>5D</div> Amber | <div>5F</div> Green | <div>No Code</div> No Resistor | Unit  |       |  |
|                                                                                                                                                                                                                                             | LED Colors                        |                   |                     |                     | Red                            | Amber | Green |  |
|                                                                                                                                                                                                                                             | Maximum Forward Current           | $I_{FM}$          | 40                  | 40                  | 40                             | mA    |       |  |
|                                                                                                                                                                                                                                             | Typical Forward Current           | $I_F$             | 26                  | 26                  | 26                             | mA    |       |  |
|                                                                                                                                                                                                                                             | Forward Voltage                   | $V_F$             | 1.9                 | 2.0                 | 2.0                            | V     |       |  |
|                                                                                                                                                                                                                                             | Maximum Reverse Voltage           | $V_{RM}$          | 4                   | 4                   | 4                              | V     |       |  |
|                                                                                                                                                                                                                                             | Current Reduction Rate Above 25°C | $\Delta I_F$      | 0.50                |                     |                                | mA/°C |       |  |
|                                                                                                                                                                                                                                             | Ambient Temperature Range         |                   |                     |                     | -25 ~ +50                      | °C    |       |  |

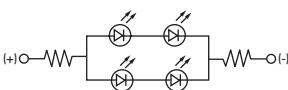
Electrical Specifications for Bright LED with Resistor

|                                                                                                                                                  |                                   |                   |                     |                     |               |               |               |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------|---------------------|---------------------|---------------|---------------|---------------|-------|
| <div>Bright<br/>AT634</div> <div></div> <div>T-1¼ Bi-pin</div> | Colors Available:                 | <div>5C</div> Red | <div>5D</div> Amber | <div>5F</div> Green | <div>05</div> | <div>12</div> | <div>24</div> | Unit  |
|                                                                                                                                                  | Maximum Forward Current           | $I_{FM}$          | —                   | —                   | —             | —             | —             | mA    |
|                                                                                                                                                  | Typical Forward Current           | $I_F$             | 25                  | 20                  | 10            | —             | —             | mA    |
|                                                                                                                                                  | Forward Voltage                   | $V_F$             | 5                   | 12                  | 24            | —             | —             | V     |
|                                                                                                                                                  | Maximum Reverse Voltage           | $V_{RM}$          | 4                   | 8                   | 16            | —             | —             | V     |
|                                                                                                                                                  | Current Reduction Rate Above 25°C | $\Delta I_F$      | —                   | —                   | —             | —             | —             | mA/°C |
|                                                                                                                                                  | Ambient Temperature Range         | -25 ~ +50         |                     |                     |               |               |               | °C    |

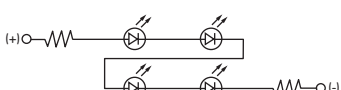
AT634  
5-volt,  
2-element  
with Resistor



AT634  
12-volt,  
4-element  
with Resistor



AT634  
24-volt,  
4-element  
with Resistor

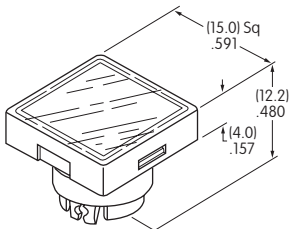


Cap for Bright LED

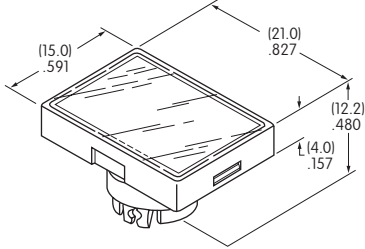
Lens/Insert  
Colors Available:

- JB** Clear/White
- JC** Clear/Red
- JD** Clear/Amber
- JF** Clear/Green

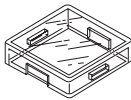
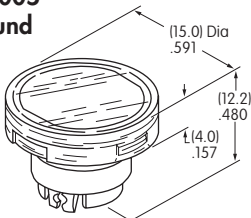
AT3004  
Square



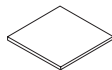
AT3006  
Rectangular



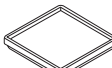
AT3005  
Round



Transparent Clear Lens



Translucent Colored Insert



Translucent White Seal/Diffuser



Bright LEDs  
AT628 AT634

Materials: Polycarbonate (Lens & Insert)  
Thermoplastic Elastomer (Seal/Diffuser)  
Finish: Glossy

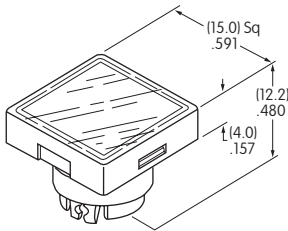
SUPER BRIGHT LEDS & LED CAPS

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

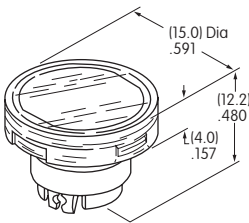
|                                                                                                                                                                                              |                                                                                                                                                                                                              |                                |                                |                               |      |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------------------|------|-------|
| <div>Super Bright<br/>AT625G Blue<br/>AT631B White<br/>AT632F Green</div> <div></div> <div>T-1 Bi-pin</div> | <div></div> <div></div> <div>Colors:</div> | <div>6B</div> <div>White</div> | <div>6F</div> <div>Green</div> | <div>6G</div> <div>Blue</div> | Unit |       |
|                                                                                                                                                                                              | Maximum Forward Current                                                                                                                                                                                      | $I_{FM}$                       | 30                             | 30                            | 30   | mA    |
|                                                                                                                                                                                              | Typical Forward Current                                                                                                                                                                                      | $I_F$                          | 20                             | 20                            | 20   | mA    |
|                                                                                                                                                                                              | Forward Voltage                                                                                                                                                                                              | $V_F$                          | 3.3                            | 3.3                           | 3.3  | V     |
|                                                                                                                                                                                              | Maximum Reverse Voltage                                                                                                                                                                                      | $V_{RM}$                       | 7                              | 7                             | 7    | V     |
|                                                                                                                                                                                              | Current Reduction Rate Above 25°C                                                                                                                                                                            | $\Delta I_F$                   | 0.40                           | 0.40                          | 0.40 | mA/°C |
|                                                                                                                                                                                              | Ambient Temperature Range                                                                                                                                                                                    |                                | -25 ~ +50                      |                               |      | °C    |

Cap for Super Bright LED

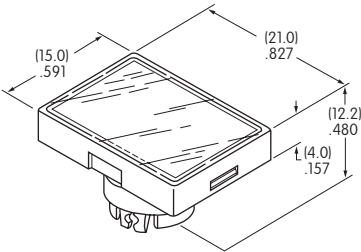
AT3014  
Square



AT3015  
Round



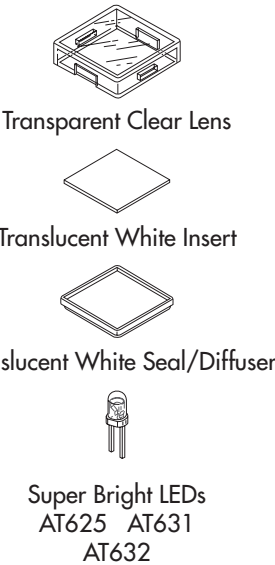
AT3016  
Rectangular



Lens/Insert  
Colors Available:

JB

 Clear/White

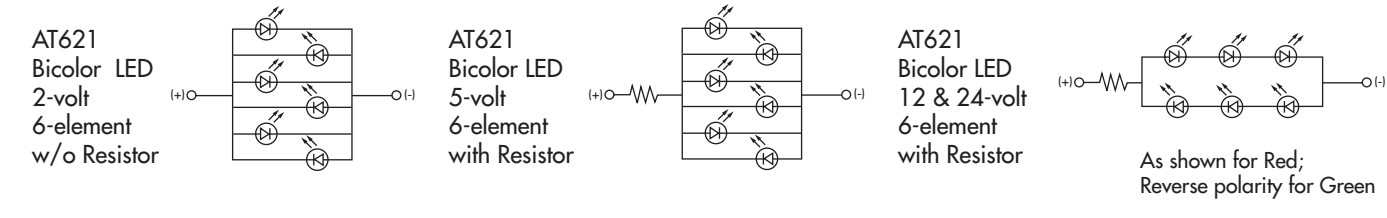


Materials: Polycarbonate (Lens & Insert)  
Thermoplastic Elastomer (Seal/Diffuser)

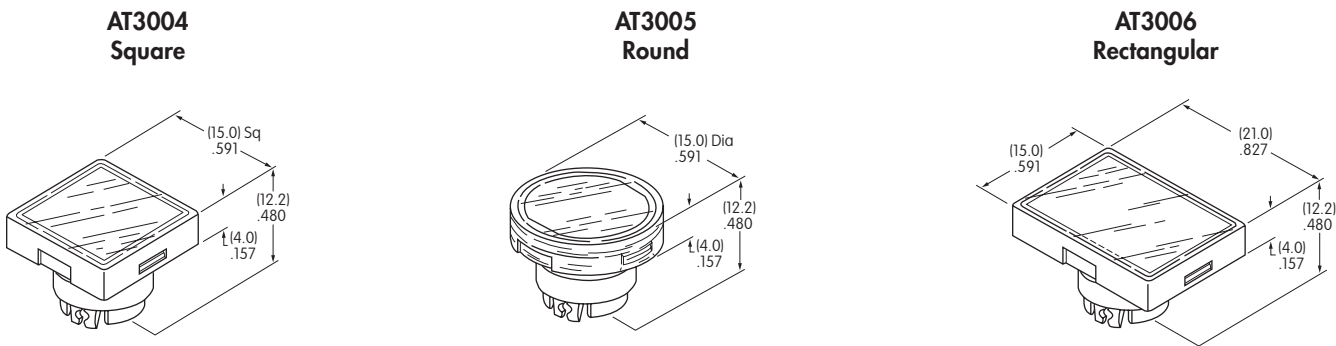
BICOLOR LED & LED CAPS

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

|                                                                                                                                                                          |                                                |           |     |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------|-----|-----|-----|-------|
| <div>Bicolor AT621</div> <div>2CF Red/Green</div> <div></div> <div>T-1 1/2 Bi-pin</div> | Bicolor LED is translucent white in OFF state. | 02        | 05  | 12  | 24  | Unit  |
|                                                                                                                                                                          | Maximum Forward Current $I_{FM}$               | 60        | 60  | 20  | 12  | mA    |
|                                                                                                                                                                          | Typical Forward Current $I_F$                  | 45        | 45  | 15  | 10  | mA    |
|                                                                                                                                                                          | Forward Voltage (Red/Green) $V_F$              | 1.9 / 2.1 | 5   | 12  | 24  | V     |
|                                                                                                                                                                          | Current Reduction Rate Above 25°C $\Delta I_F$ | 0.80      | --- | --- | --- | mA/°C |
|                                                                                                                                                                          | Ambient Temperature Range                      | -25 ~ +50 |     |     |     | °C    |

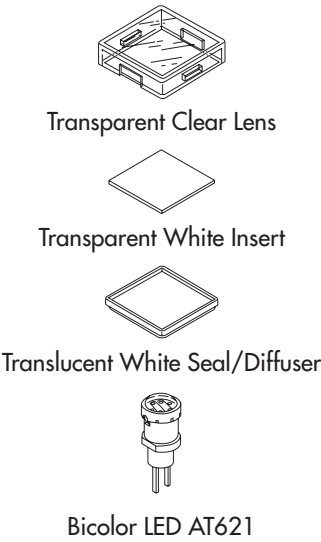


LED Caps



Lens/Insert  
Colors Available:

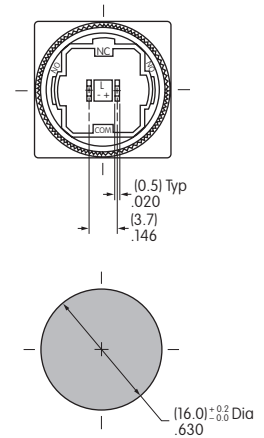
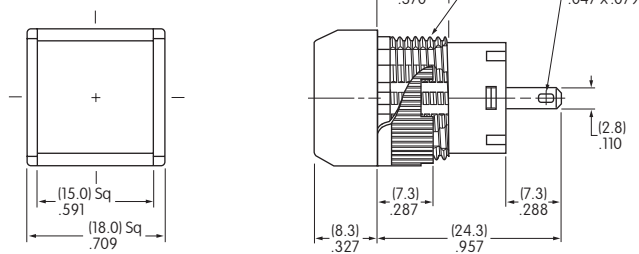
JB Clear/White



Materials: Polycarbonate (Lens & Insert)  
Thermoplastic Elastomer (Seal/Diffuser)

### TYPICAL INDICATOR DIMENSIONS

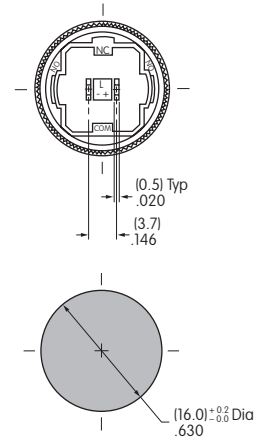
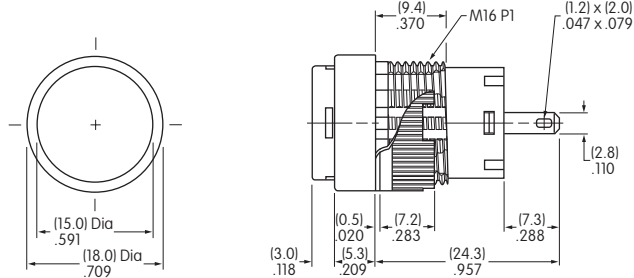
#### Square • Bushing Mounting



**YB01KW01-12-CB**

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

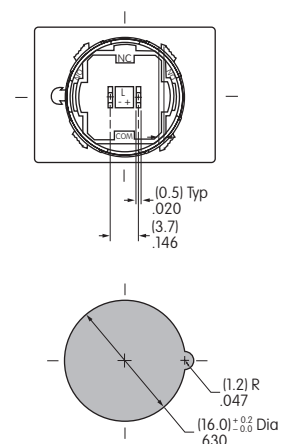
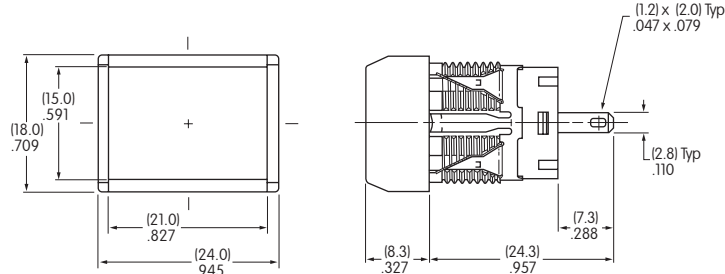
#### Round • Panel Seal



**YB02WKW01-12-GB**

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

#### Rectangular • Snap-in Mounting



**YB06KW01-12-EB**

Panel Thickness  
.039" ~ .138" (1.0mm ~ 3.5mm)

# Mouser Electronics

Authorized Distributor

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

## NKK Switches:

[YB03WKW01-5D12-JB](#) [YB03KW01-5F12-JD](#) [YB01KW01-5F12-JB](#) [YB01WKW01-5D12-JD](#) [YB01KW01-5F12-JF](#)  
[YB03WKW01-5F12-JD](#) [YB03KW01-5F12-JF](#) [YB01KW01-5F12-JD](#) [YB06KW01-5C-JB](#) [YB06KW01-5D-JB](#)  
[YB02WKW01-2CF24-JB](#) [YB01WKW01-5D-JB](#) [YB03KW01-2CF12-JB](#) [YB01KW01-5C12-JC](#) [YB01WKW01-5C-JB](#)  
[YB01WKW01-5F-JB](#) [YB01WKW01-6G-JB](#) [YB02WKW01-5D24-JB](#)