# YB Indicators

## 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) Quick Connect* |

* Wire harness & cable assemblies offered only in Americas

### 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 |
| 5F | Green | 12 | 12-volt |
| | | 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 & 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 Lamp

Silver Solder Lug/.110″ (2.8mm) Quick Connect Terminals

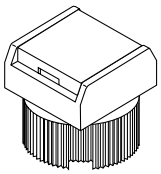
# YB Indicators

## Complement to YB Pushbuttons

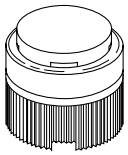
## SHAPES & MOUNTING TYPES

**Bushing Mounting**

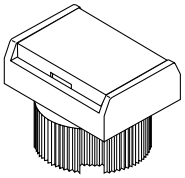
**01** Square



**02** Round

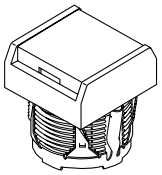


**03** Rectangular

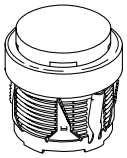


**Snap-in Mounting**

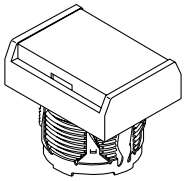
**04** Square



**05** Round



**06** Rectangular



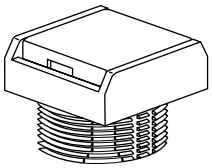
Bezel-barrier is an integral part of the indicator body.

## PANEL SEAL

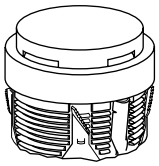
**No Code** Without Panel Seal

**Bushing Mounting**

Supplied with mounting nut.



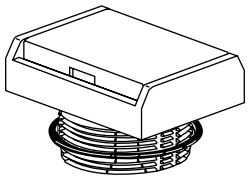
**Snap-in Mounting**



**W** With Panel Seal

**Bushing Mounting only**

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

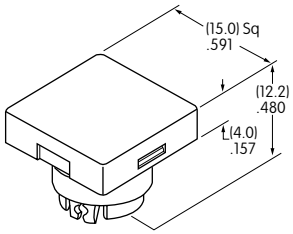
| | | 05 | 12 |
|---|---|---|---|
| Voltage | V | 5V AC | 12V AC |
| Current | I | 115mA | 60mA |
| MSCP | | .150 | .150 |
| Endurance | Hours | 7,000 average | |
| Ambient Temperature Range | | −25°C ~ +50°C | |

### Solid Cap for Incandescent Lamp

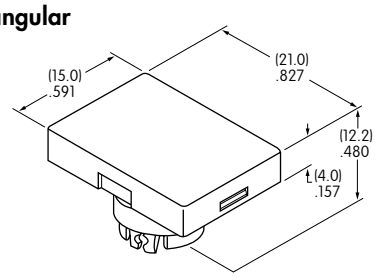
**Lens/Insert Colors Available:**

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

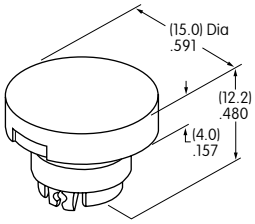
**AT3001 Square**



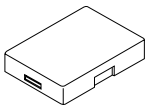

**AT3003 Rectangular**



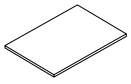

**AT3002 Round**



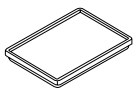

Materials: Polycarbonate (Lens & Insert)
Thermoplastic Elastomer (Seal/Filter)
Finish: Glossy



Translucent Colored Lens



Translucent White Insert



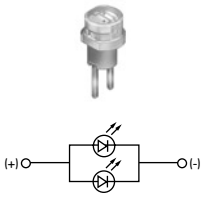
Translucent White Seal/Filter

Incandescent Lamp AT611

## 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.

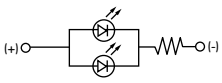
### Electrical Specifications for Bright LED without Resistor

| **Bright AT628** | **Colors Available:** 5C Red, 5D Amber, 5F Green | | No Code No Resistor | | | Unit |
|---|---|---|---|---|---|---|
|  T-1 Bi-pin | Forward Peak Current | $I_{FM}$ | 40 | 40 | 40 | mA |
| | Continuous Forward Current | $I_F$ | 26 | 26 | 26 | mA |
| | Forward Voltage | $V_F$ | 1.9 | 2.0 | 2.0 | V |
| | Reverse Peak 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 |

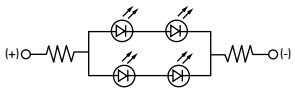
### Electrical Specifications for Bright LED with Resistor

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

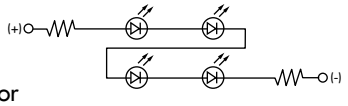
AT634 5-volt, 2-element with Resistor




AT634 12-volt, 4-element with Resistor




AT634 24-volt, 4-element with Resistor

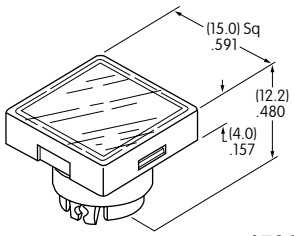



### Cap for Bright LED

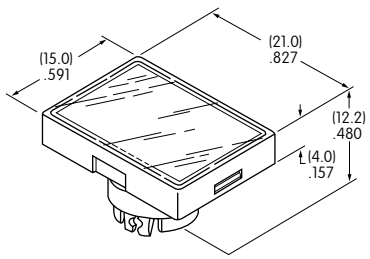
**Lens/Insert Colors Available:**

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

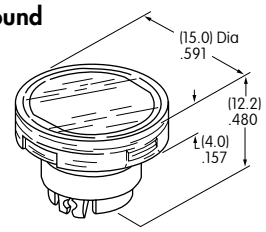
**AT3004 Square**

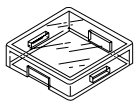



**AT3006 Rectangular**

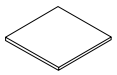



**AT3005 Round**

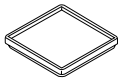


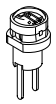
Transparent Clear Lens



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.

**Super Bright**
**AT625G Blue**
**AT631B White**
**AT632F Green**

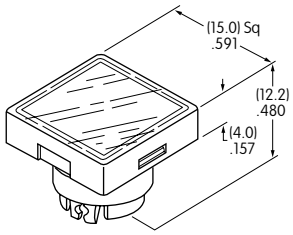
T-1 Bi-pin

ATTENTION ELECTROSTATIC SENSITIVE DEVICES

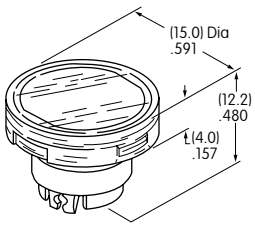
| Colors: | | 6B White | 6F Green | 6G Blue | Unit |
|---|---|---|---|---|---|
| Forward Peak Current | $I_{FM}$ | 30 | 30 | 30 | mA |
| Continuous Forward Current | $I_F$ | 20 | 20 | 20 | mA |
| Forward Voltage | $V_F$ | 3.6 | 3.5 | 3.6 | V |
| Reverse Peak Voltage | $V_{RM}$ | 5 | 5 | 5 | V |
| Current Reduction Rate Above 25°C | $\Delta I_F$ | 0.50 | | | mA/°C |
| Ambient Temperature Range | | −25 ~ +50 | | | °C |

### Cap for Super Bright LED

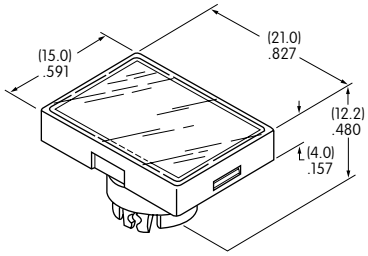
**AT3014**
**Square**




**AT3015**
**Round**

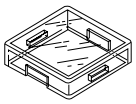



**AT3016**
**Rectangular**

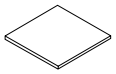



**Lens/Insert**
**Colors Available:**

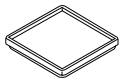
JB **Clear/White**



Transparent Clear Lens



Translucent White Insert



Translucent White Seal/Diffuser

Super Bright LEDs
AT625 AT631
AT632

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.

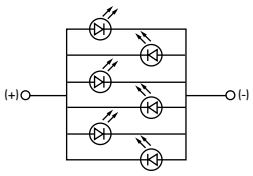
**Bicolor AT621**

**2CF** Red/Green

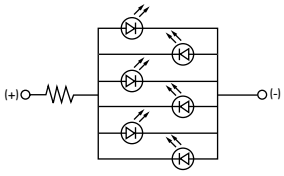
T-1½ Bi-pin

| Bicolor LED is translucent white in OFF state. | | 02 | 05 | 12 | 24 | Unit |
|---|---|---|---|---|---|---|
| Forward Peak Current | $I_{FM}$ | 60 | 60 | 20 | 12 | mA |
| Continuous Forward Current | $I_F$ | 45 | 45 | 15 | 10 | mA |
| Forward Voltage | $V_F$ | 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 |

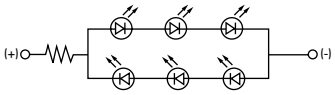
AT621
Bicolor LED
2-volt
6-element
w/o Resistor




AT621
Bicolor LED
5-volt
6-element
with Resistor



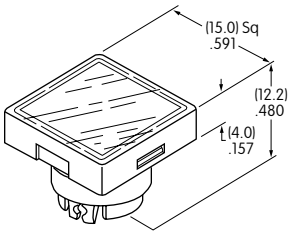

AT621
Bicolor LED
12 & 24-volt
6-element
with Resistor



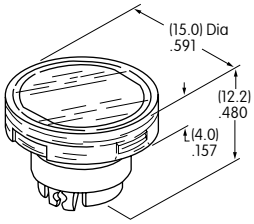

As shown for Red;
Reverse polarity for Green

### LED Caps

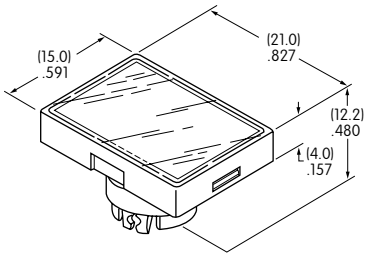
**AT3004**
**Square**




**AT3005**
**Round**

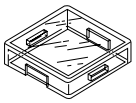



**AT3006**
**Rectangular**

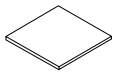



**Lens/Insert**
**Colors Available:**

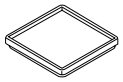
**JB** **Clear/White**



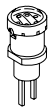
Transparent Clear Lens



Transparent White Insert



Translucent White Seal/Diffuser

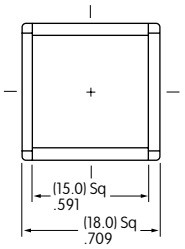


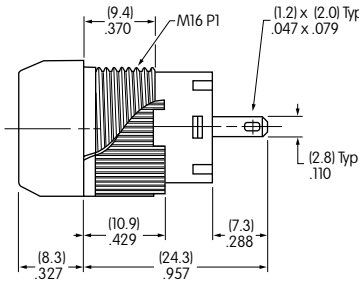
Bicolor LED AT621

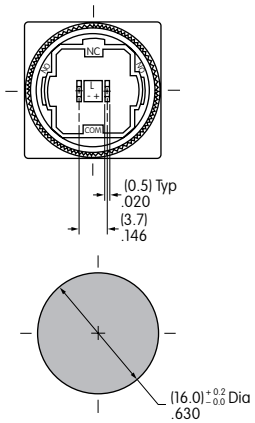
Materials: Polycarbonate (Lens & Insert)
Thermoplastic Elastomer (Seal/Diffuser)

## TYPICAL INDICATOR DIMENSIONS

### Square • Bushing Mounting



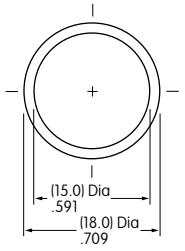



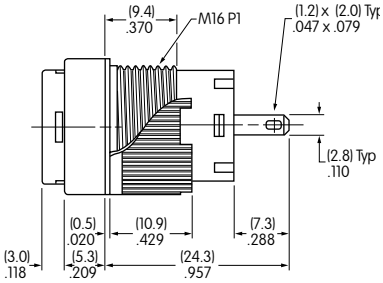



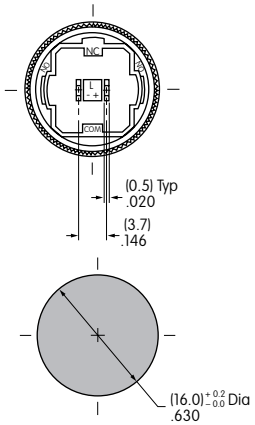

**YB01KW01-12-CB**

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

### Round • Panel Seal



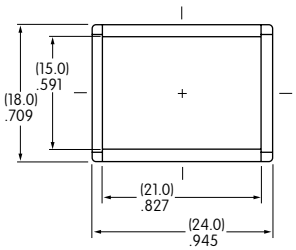



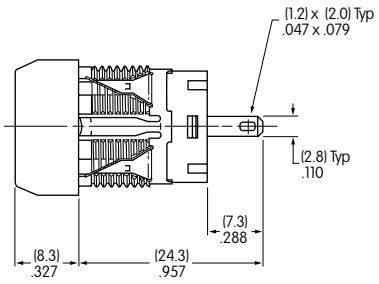



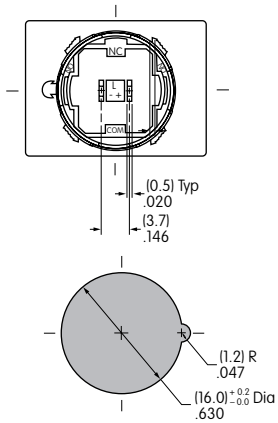

**YB02WKW01-12-CB**

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

### Rectangular • Snap-in Mounting




**YB06KW01-12-CB**

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

Стандарт Электрон Связь

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

**Наши контакты:**

**Телефон:** +7 812 627 14 35

**Электронная почта:** sales@st-electron.ru

**Адрес:** 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331