

## 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
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### Terminals

W01	Silver Solder Lug/.110" (2.8mm) Quick Connect
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### 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 & 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

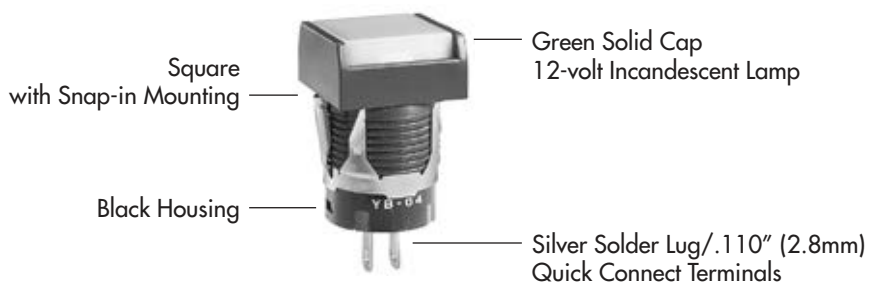
JB	Clear/White
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### LED Cap: Lens/Insert Colors

JB	Clear/White
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### DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

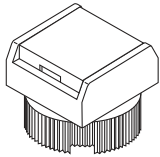
**YB04KW01-12-FB**



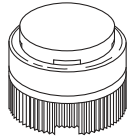
### SHAPES & MOUNTING TYPES

#### Bushing Mounting

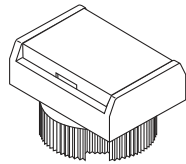
**01** Square



**02** Round

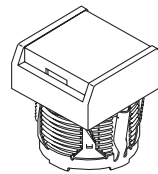


**03** Rectangular

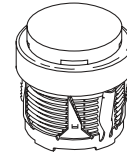


#### Snap-in Mounting

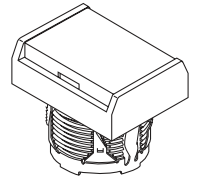
**04** Square



**05** Round



**06** Rectangular



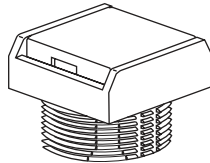
Bezel-barrier is an integral part of the indicator body.

### PANEL SEAL

**No Code**

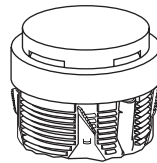
Without Panel Seal

**Bushing Mounting**



Supplied with mounting nut.

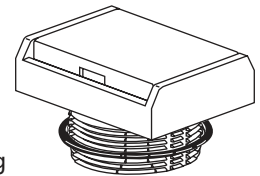
**Snap-in Mounting**



**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.

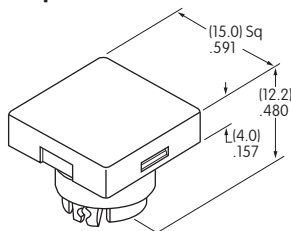
 T-1 Bi-pin	<b>AT611</b>		<b>05</b>	<b>12</b>
	Voltage	V	5V AC	12V AC
	Current	I	115mA	60mA
	MSCP		.150	.150
	Endurance	Hours	7,000 average	
Ambient Temperature Range		-25°C ~ +50°C		

#### Solid Cap for Incandescent Lamp

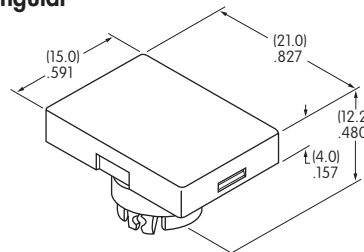
Lens/Insert  
Colors Available:

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

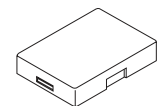
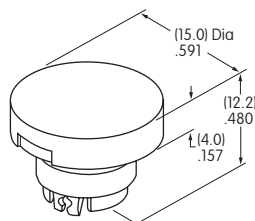
**AT3001**  
Square



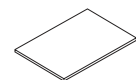
**AT3003**  
Rectangular



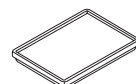
**AT3002**  
Round



Translucent Colored Lens



Translucent White Insert



Translucent White Seal/Filter




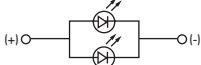
Incandescent Lamp AT611

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.

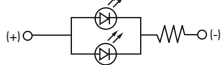
### Electrical Specifications for Bright LED without Resistor

<b>Bright AT628</b>   T-1 Bi-pin	<b>Colors Available:</b> <span style="border: 1px solid black; padding: 2px;">5C</span> Red <span style="border: 1px solid black; padding: 2px;">5D</span> Amber <span style="border: 1px solid black; padding: 2px;">5F</span> Green <span style="border: 1px solid black; padding: 2px; margin-left: 20px;">No Code</span> No Resistor	Unit				
	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	

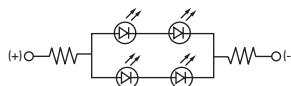
### Electrical Specifications for Bright LED with Resistor

<b>Bright AT634</b>  T-1 1/4 Bi-pin	<b>Colors Available:</b> <span style="border: 1px solid black; padding: 2px;">5C</span> Red <span style="border: 1px solid black; padding: 2px;">5D</span> Amber <span style="border: 1px solid black; padding: 2px;">5F</span> Green <span style="border: 1px solid black; padding: 2px; margin-left: 20px;">05</span> <span style="border: 1px solid black; padding: 2px; margin-left: 20px;">12</span> <span style="border: 1px solid black; padding: 2px; margin-left: 20px;">24</span>	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	

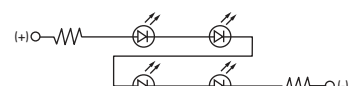
AT634  
5-volt,  
2-element  
with Resistor



AT634  
12-volt,  
4-element  
with Resistor



AT634  
24-volt,  
4-element  
with Resistor

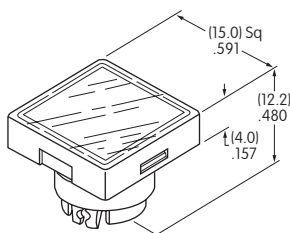


### Cap for Bright LED

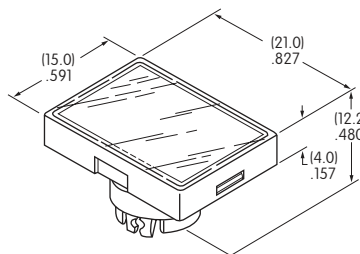
Lens/Insert  
Colors Available:

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

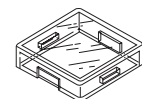
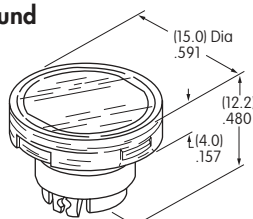
**AT3004**  
Square



**AT3006**  
Rectangular



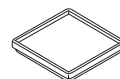
**AT3005**  
Round



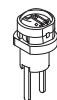
Transparent Clear Lens



Translucent Colored Insert



Translucent White Seal/Diffuser






Bright LEDs  
AT628 AT634

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

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

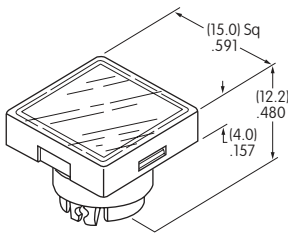
### SUPER BRIGHT LEDs & LED CAPS

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.

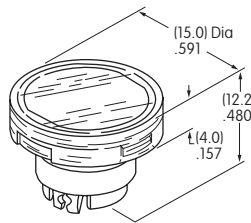
 <p>Super Bright                  AT625G Blue                  AT631B White                  AT632F Green</p> <p>T-1 Bi-pin</p>	 	<div style="border: 1px solid black; padding: 2px; display: inline-block;"><b>6B</b></div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;"><b>6F</b></div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;"><b>6G</b></div>	Colors:	White	Green	Blue	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

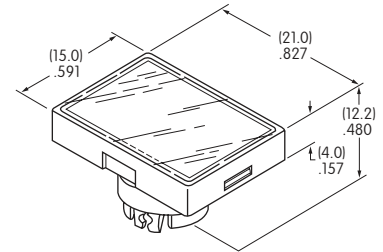
**AT3014  
Square**



**AT3015  
Round**

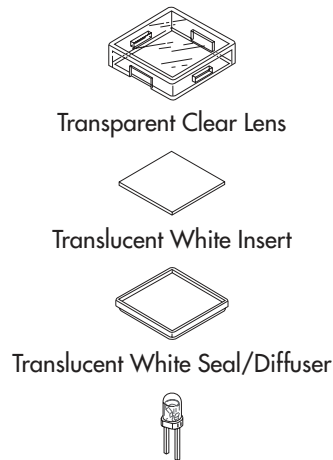


**AT3016  
Rectangular**



Lens/Insert  
 Colors Available:


**JB** Clear/White

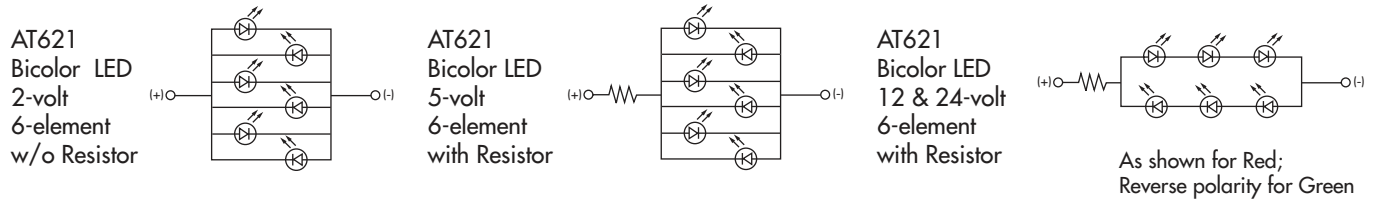


Materials: Polycarbonate (Lens & Insert)  
 Thermoplastic Elastomer (Seal/Diffuser)

BICOLOR LED & LED CAPS

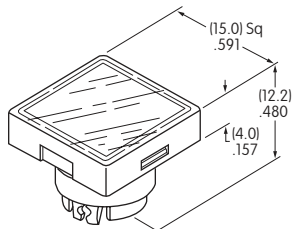
The electrical specifications shown are determined at a basic temperature of 25°C.  
 If the source voltage exceeds the rated voltage, a ballast resistor is required.  
 The resistor value can be calculated by using the formula in the Supplement section.

<b>Bicolor AT621</b> <b>2CF</b> Red/Green  T-1½ Bi-pin	Bicolor LED is translucent white in OFF state.				<b>02</b>	<b>05</b>	<b>12</b>	<b>24</b>	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			

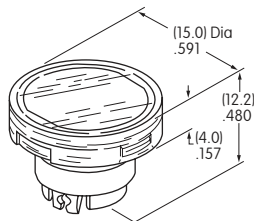


LED Caps

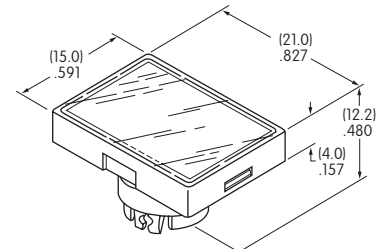
AT3004 Square



AT3005 Round

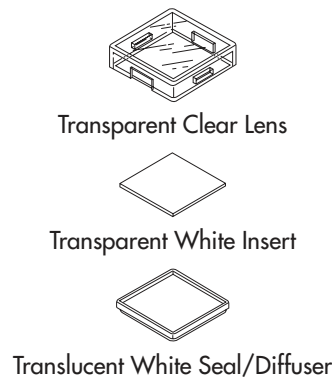


AT3006 Rectangular



Lens/Insert Colors Available:

**JB** Clear/White

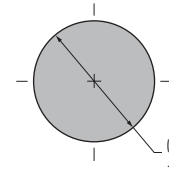
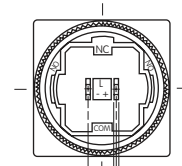
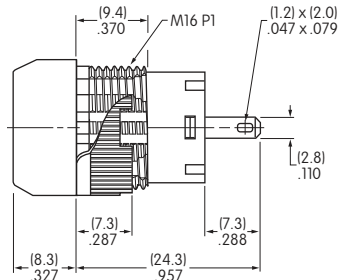
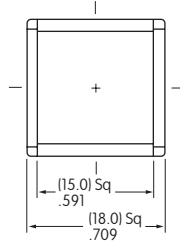


Materials: Polycarbonate (Lens & Insert)  
 Thermoplastic Elastomer (Seal/Diffuser)



## TYPICAL INDICATOR DIMENSIONS

### Square • Bushing Mounting

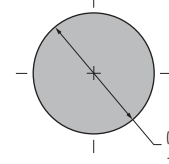
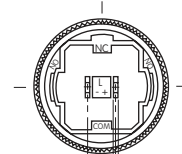
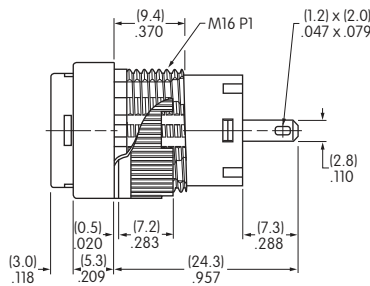
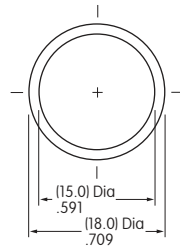


Panel Thickness

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

**YB01KW01-12-CB**

### Round • Panel Seal

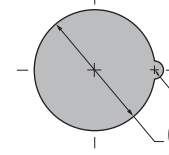
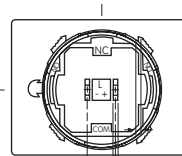
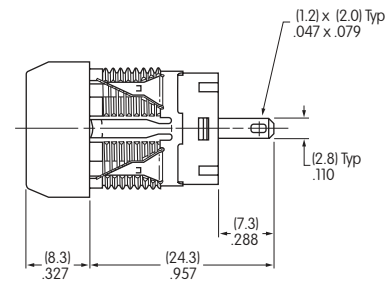
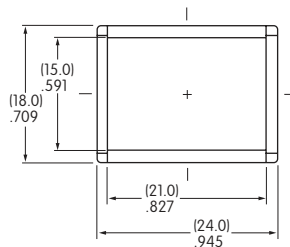


Panel Thickness

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

**YB02WKW01-12-CB**

### Rectangular • Snap-in Mounting



Panel Thickness

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

**YB06KW01-12-CB**



# Notes

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