

TYPICAL INDICATOR ORDERING EXAMPLE

YB 04 [] K W01 — 12 — FB

Shapes

Bushings 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 (Bushings 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

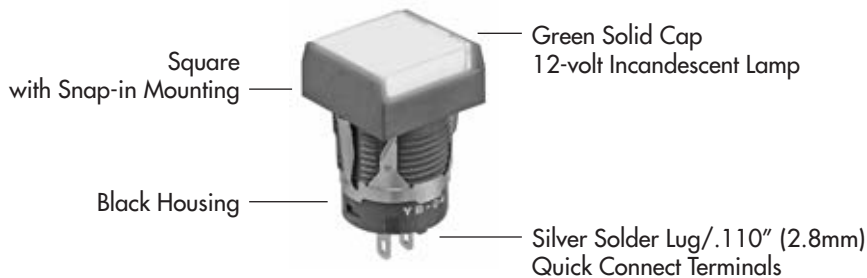
JB	Clear/White
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LED Cap: Lens/Insert Colors

JB	Clear/White
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DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

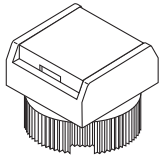
YB04KW01-12-FB



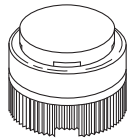
SHAPES & MOUNTING TYPES

Bushing Mounting

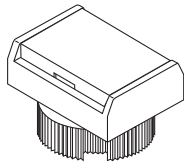
01 Square



02 Round

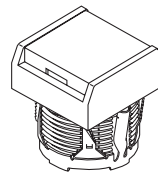


03 Rectangular

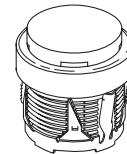


Snap-in Mounting

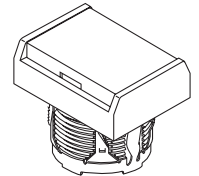
04 Square



05 Round



06 Rectangular



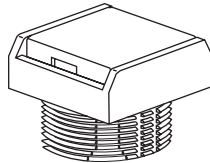
Bezel-barrier is an integral part of the indicator body.

PANEL SEAL

No Code

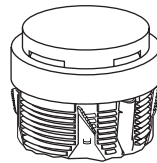
Without Panel Seal

Bushing Mounting



Supplied with mounting nut.

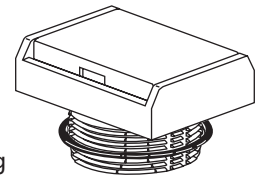
Snap-in Mounting



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.

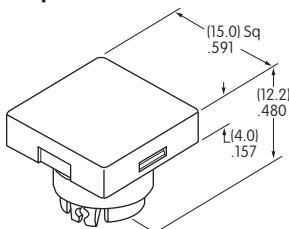
AT611  T-1 Bi-pin		05	12	
	Voltage	V	5V AC	12V AC
	Current	I	115mA	60mA
	MSCP		.150	.150
	Endurance	Hours	7,000 average	
Ambient Temperature Range		-25°C ~ +50°C		

Solid Cap for Incandescent Lamp

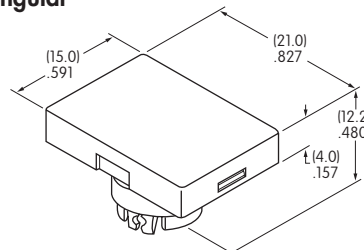
Lens/Insert Colors Available:

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

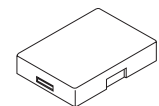
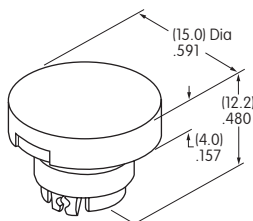
AT3001
Square



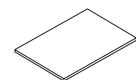
AT3003
Rectangular



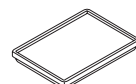
AT3002
Round



Translucent Colored Lens



Translucent White Insert



Translucent White Seal/Filter




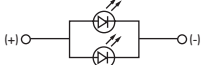
Incandescent Lamp AT611

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.

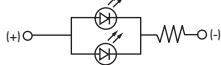
Electrical Specifications for Bright LED without Resistor

Bright AT628   T-1 Bi-pin	Colors Available: 5C Red 5D Amber 5F Green No Code 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	ΔI_F	0.50			mA/°C
	Ambient Temperature Range	-25 ~ +50			°C	

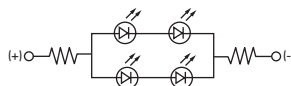
Electrical Specifications for Bright LED with Resistor

Bright AT634  T-1 1/4 Bi-pin	Colors Available: 5C Red 5D Amber 5F Green 05 12 24	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	ΔI_F	—	—	—	mA/°C
	Ambient Temperature Range	-25 ~ +50			°C	

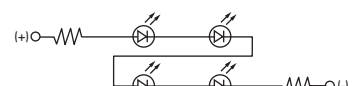
AT634
5-volt,
2-element
with Resistor



AT634
12-volt,
4-element
with Resistor



AT634
24-volt,
4-element
with Resistor

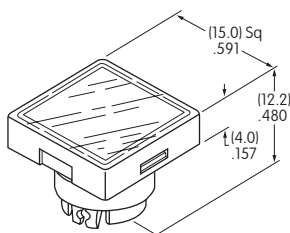


Cap for Bright LED

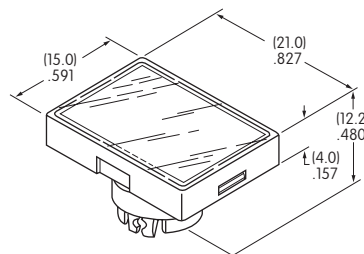
Lens/Insert
Colors Available:

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

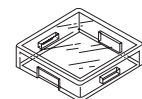
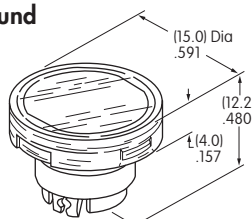
AT3004
Square



AT3006
Rectangular



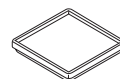
AT3005
Round



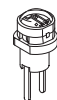
Transparent Clear Lens



Translucent Colored Insert



Translucent White Seal/Diffuser






Bright LEDs
AT628 AT634

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

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

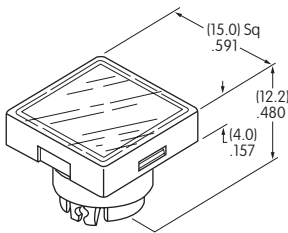
SUPER BRIGHT LEDs & LED CAPS

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.

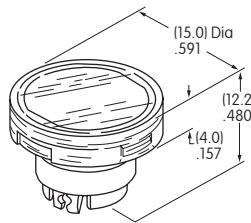
 <p>Super Bright AT625G Blue AT631B White AT632F Green</p> <p>T-1 Bi-pin</p>	 	<div style="border: 1px solid black; padding: 2px; display: inline-block;">6B</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">6F</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">6G</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	ΔI_F	0.40	0.40	0.40	mA/°C	
	Ambient Temperature Range		-25 ~ +50			°C	

Cap for Super Bright LED

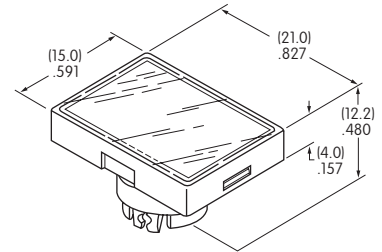
AT3014
Square



AT3015
Round

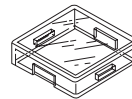


AT3016
Rectangular

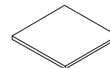


Lens/Insert
 Colors Available:

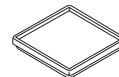
JB Clear/White



Transparent Clear Lens



Translucent White Insert



Translucent White Seal/Diffuser




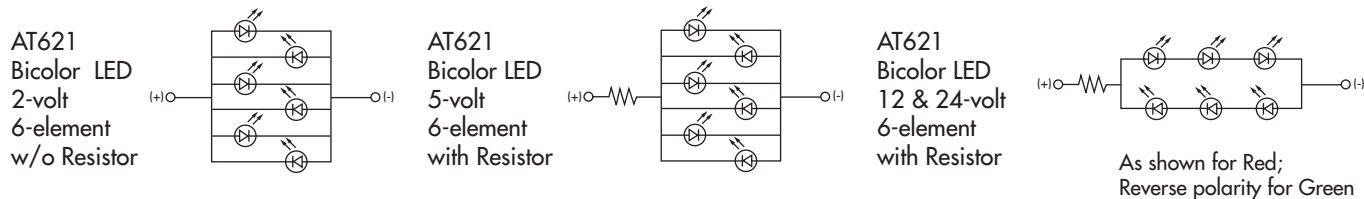
Super Bright LEDs
 AT625 AT631
 AT632

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

BICOLOR LED & LED CAPS

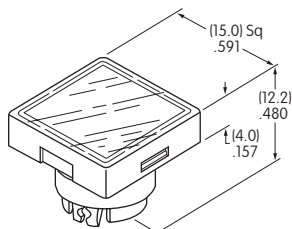
The electrical specifications shown are determined at a basic temperature of 25°C.
 If the source voltage exceeds the rated voltage, a ballast resistor is required.
 The resistor value can be calculated by using the formula in the Supplement section.

Bicolor AT621 2CF Red/Green  T-1½ Bi-pin	Bicolor LED is translucent white in OFF state.				02	05	12	24	Unit
	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	ΔI_F	0.80	---	---	---	mA/°C		
	Ambient Temperature Range		-25 ~ +50			°C			

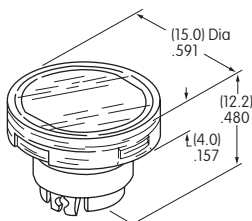


LED Caps

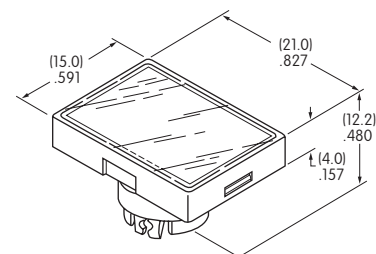
AT3004 Square



AT3005 Round

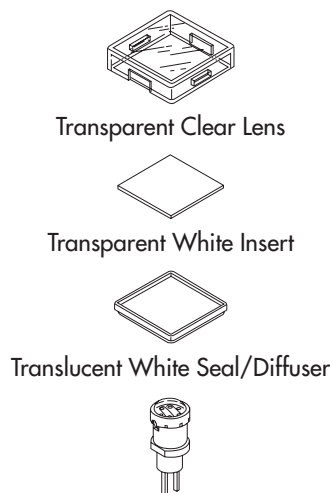


AT3006 Rectangular



Lens/Insert Colors Available:

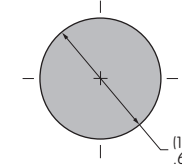
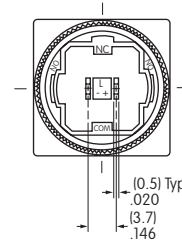
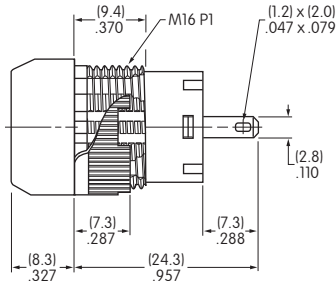
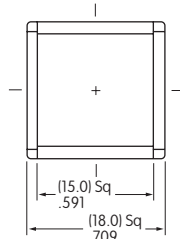
JB Clear/White



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

TYPICAL INDICATOR DIMENSIONS

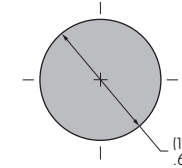
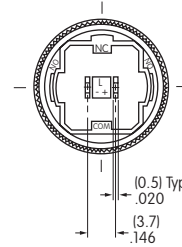
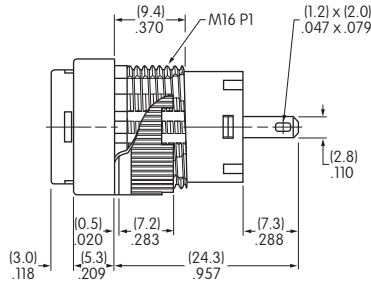
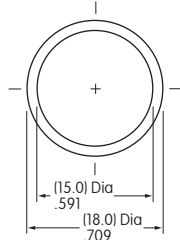
Square • Bushing Mounting



YB01KW01-12-CB

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

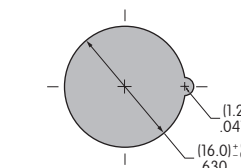
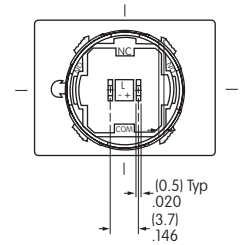
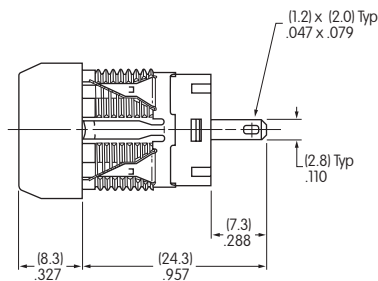
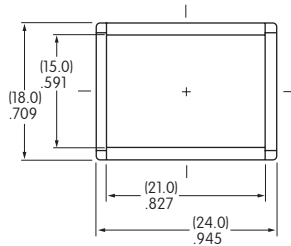
Round • Panel Seal



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:

[YB01WKW01-5F-JF](#) [YB02KW01-5C-JC](#) [YB02KW01-5D-JD](#) [YB02KW01-5D12-JD](#) [YB02WKW01-5C12-JC](#)
[YB02WKW01-5C24-JC](#) [YB02WKW01-5D12-JD](#) [YB03KW01-5C24-JB](#) [YB03KW01-5C24-JC](#) [YB03KW01-6B-JB](#)
[YB03WKW01-6B-JB](#) [YB05KW01-5F24-JF](#) [YB01WKW01-2CF02-JB](#) [YB05KW01-6B-JB-RO](#) [YB02KW01-5F-JB](#)
[YB02WKW01-05-FB](#) [YB03WKW01-5C05-JC](#) [YB03WKW01-5F05-JF](#) [YB05KW01-05-BB](#) [YB05KW01-5D05-JD](#)
[YB06KW01-5C-JC-RO](#) [YB06KW01-5D-JD-RO](#) [YB02WKW01-12-CB](#) [YB01KW01-5C24-JC](#) [YB03KW01-5C05-JB](#)
[YB03WKW01-2CF24-JB](#) [YB02WKW01-5F24-JF](#) [YB02WKW01-5D-JD](#) [YB02KW01-6F-JF](#) [YB02WKW01-05-CB](#)
[YB03KW01-5D24-JB](#) [YB03KW01-5F24-JB](#) [YB04KW01](#) [YB02WKW01-6G-JB](#) [YB02KW01-12-JF](#) [YB02KW01-5C-JB](#)
[YB03WKW01-5C12-JC](#) [YB01KW01-12-GB](#) [YB02KW01-1E05-JE](#) [YB02WKW01-5C-JC](#) [YB01KW01-5F24-JF](#)
[YB02WKW01-5C05-JB](#) [YB06KW01](#) [YB04KW01-5C-JC](#) [YB01WKW01-05-GB](#) [YB02KW01-5C12-JC](#) [YB02KW01-](#)
[1F24-JF](#) [YB03KW01-5F12-JB](#) [YB03KW01-6F-JB](#) [YB01WKW01-5D-JD](#) [YB01KW01-05-FB](#) [YB01KW01-5C12-JB](#)
[YB02WKW01-5F-JB](#) [YB04KW01-2CF05-JB](#) [YB03WKW01-5F12-JF](#) [YB02WKW01-2CF02-JB](#) [YB03KW01-5D-JD](#)
[YB03KW01-5D-JB](#) [YB01KW01-6F-JB](#) [YB02KW01-6G-JB](#) [YB02KW01-5C12-JB](#) [YB01WKW01-5C-JC](#) [YB06KW01-6G-](#)
[JB](#) [YB02KW01-5D24-JB](#) [YB01KW01-12-CB](#) [YB02WKW01-2CF05-JB](#) [YB02WKW01-5F-JF](#) [YB02KW01-1C24-JC](#)
[YB03KW01-28-CB](#) [YB01WKW01-12-BB](#) [YB03KW01-5C-JC](#) [YB02KW01-2CF24-JB](#) [YB04KW01-2CF02-JB](#)
[YB02KW01-5F24-JB](#) [YB03KW01-5F-JF](#) [YB01WKW01-6B-JB](#) [YB03WKW01-5D12-JD](#) [YB03KW01-5C12-JB](#)
[YB02KW01-5C24-JB](#) [YB03KW01-5D12-JB](#) [YB02WKW01-5D12-JB](#) [YB01KW01-5D12-JB](#) [YB05KW01-5F-JB](#)
[YB01KW01-5D05-JB](#) [YB02WKW01-5D-JB](#) [YB02KW01-12-FB](#) [YB02KW01-6B-JB](#) [YB01KW01-5F-JB](#) [YB02KW01-28-](#)
[FB](#) [YB05KW01-5D-JD](#) [YB06KW01-2CF24-JB](#) [YB02WK01-5F-JB](#) [YB03KW01-5C-JB](#) [YB01KW01-12-JF](#)
[YB02WKW01-5D05-JD](#) [YB02WKW01-5C-JB](#) [YB02KW01-5F12-JF](#) [YB03KW01-5C12-JC](#) [YB01WKW01](#) [YB05KW01-](#)
[6G-JB](#)