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

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

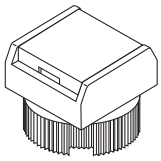
YB Indicators

Complement to YB Pushbuttons

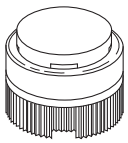
SHAPES & MOUNTING TYPES

Bushing Mounting

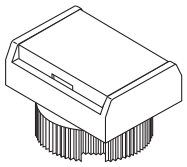
01 Square



02 Round

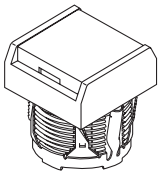


03 Rectangular

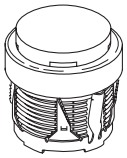


Snap-in Mounting

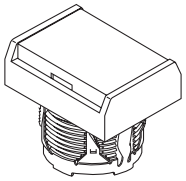
04 Square



05 Round



06 Rectangular



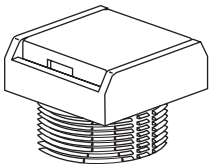
Bezel-barrier is an integral part of the indicator body.

PANEL SEAL

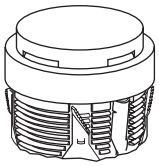
No Code Without Panel Seal

Bushing Mounting

Supplied with mounting nut.



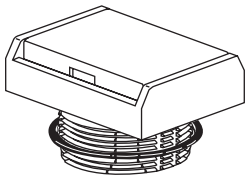
Snap-in Mounting



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

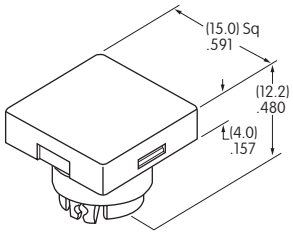
		05	12
Voltage	V	5V AC	12V AC
Current	I	115mA	60mA
MSCP		.150	.150
Endurance	Hours	7,000 average	
Ambient Temperature Range		−25°C ~ +50°C	

Solid Cap for Incandescent Lamp

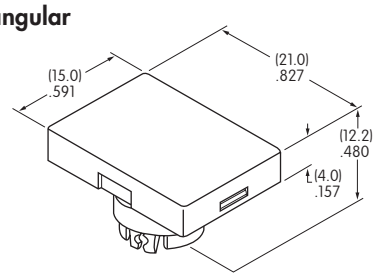
Lens/Insert Colors Available:

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

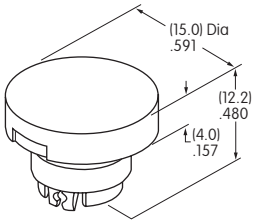
AT3001 Square

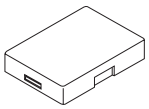


AT3003 Rectangular

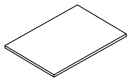


AT3002 Round

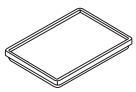




Translucent Colored Lens



Translucent White Insert



Translucent White Seal/Filter

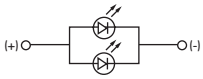
Incandescent Lamp AT611

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.

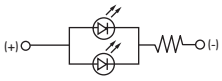
Electrical Specifications for Bright LED without Resistor

Bright AT628	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
T-1 Bi-pin	Ambient Temperature Range		−25 ~ +50			°C

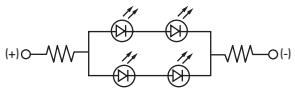
Electrical Specifications for Bright LED with Resistor

Bright AT634	Colors Available: 5C Red, 5D Amber, 5F Green		05	12	24	Unit
	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
T-1¼ Bi-pin	Ambient Temperature Range		−25 ~ +50			°C

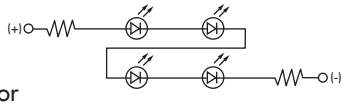
AT634 5-volt, 2-element with Resistor



AT634 12-volt, 4-element with Resistor



AT634 24-volt, 4-element with Resistor

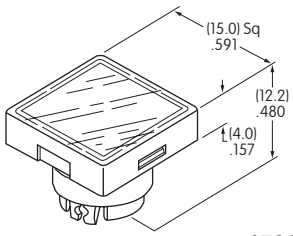


Cap for Bright LED

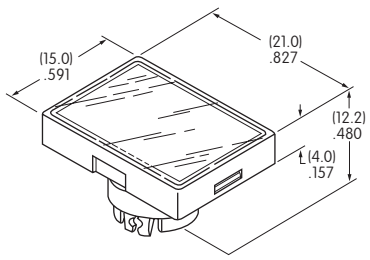
Lens/Insert Colors Available:

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

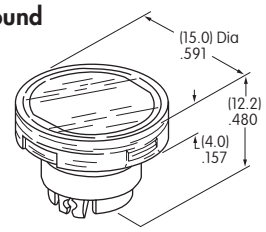
AT3004 Square

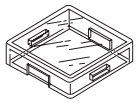


AT3006 Rectangular

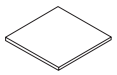


AT3005 Round

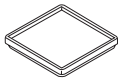




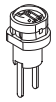
Transparent Clear Lens



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

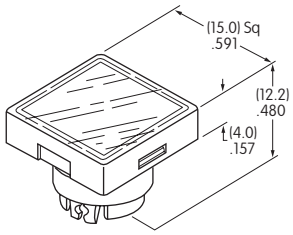
T-1 Bi-pin

ATTENTION ELECTROSTATIC SENSITIVE DEVICES

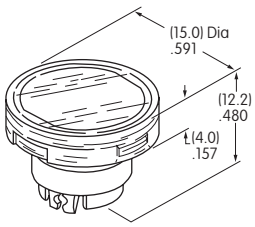
Colors:		6B White	6F Green	6G Blue	Unit
Maximum Forward Current	I_{FM}	30	30	30	mA
Typical Forward Current	I_F	20	20	20	mA
Forward Voltage	V_F	3.3	3.3	3.3	V
Maximum Reverse Voltage	V_{RM}	7	7	7	V
Current Reduction Rate Above 25°C	ΔI_F	0.40	0.40	0.40	mA/°C
Ambient Temperature Range		−25 ~ +50			°C

Cap for Super Bright LED

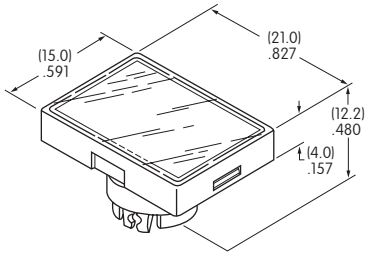
AT3014
Square



AT3015
Round

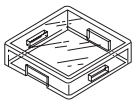


AT3016
Rectangular

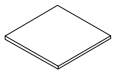


Lens/Insert
Colors Available:

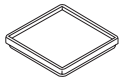
JB **Clear/White**



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.

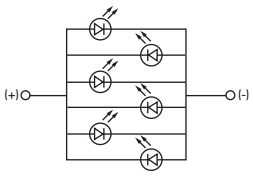
Bicolor AT621

2CF Red/Green

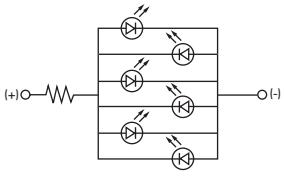
T-1½ Bi-pin

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

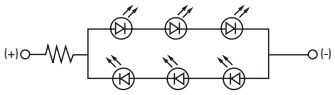
AT621
Bicolor LED
2-volt
6-element
w/o Resistor



AT621
Bicolor LED
5-volt
6-element
with Resistor



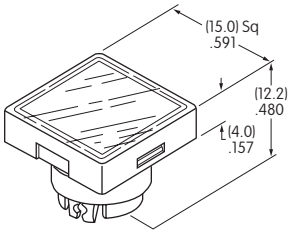
AT621
Bicolor LED
12 & 24-volt
6-element
with Resistor



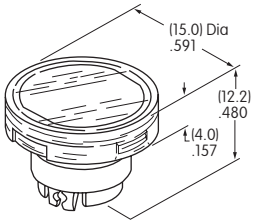
As shown for Red;
Reverse polarity for Green

LED Caps

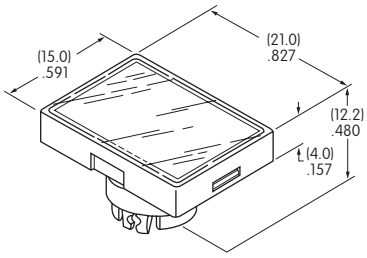
AT3004
Square



AT3005
Round

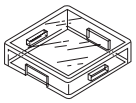


AT3006
Rectangular

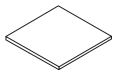


Lens/Insert
Colors Available:

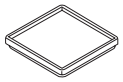
JB **Clear/White**



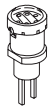
Transparent Clear Lens



Transparent White Insert



Translucent White Seal/Diffuser



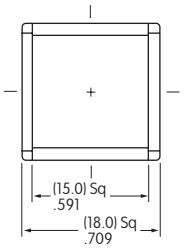
Bicolor LED AT621

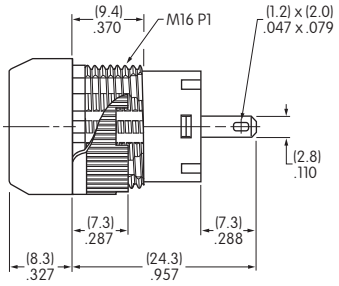
Materials: Polycarbonate (Lens & Insert)
Thermoplastic Elastomer (Seal/Diffuser)

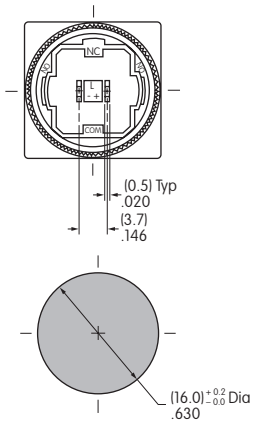
YB Indicators

TYPICAL INDICATOR DIMENSIONS

Square • Bushing Mounting



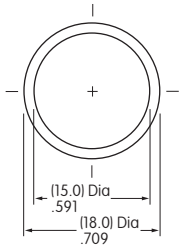


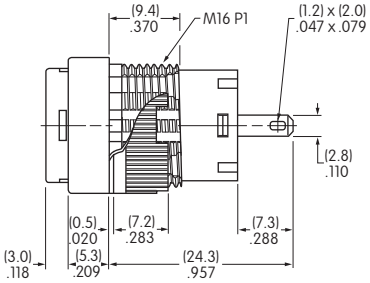


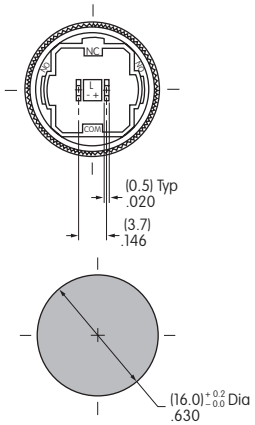
YB01KW01-12-CB

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

Round • Panel Seal



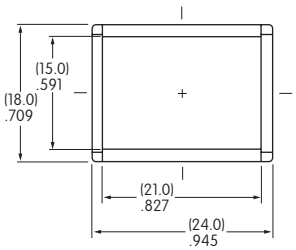


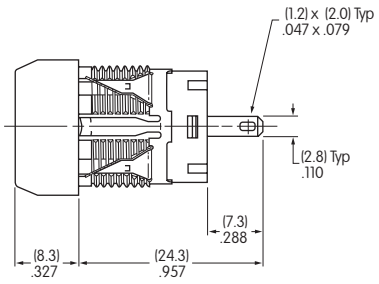


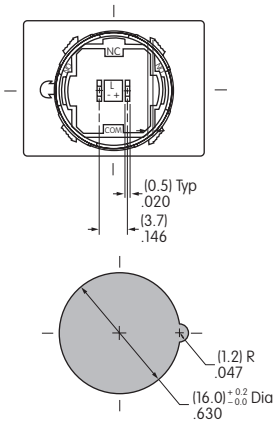
YB02WKW01-12-CB

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

Rectangular • Snap-in Mounting







YB06KW01-12-CB

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

Notes

Notes