

### TYPICAL INDICATOR ORDERING EXAMPLE

**LB 01 G W01 — 5C12 — JC**

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

| Housing |       |
|---------|-------|
| K       | Black |
| G       | Gray  |

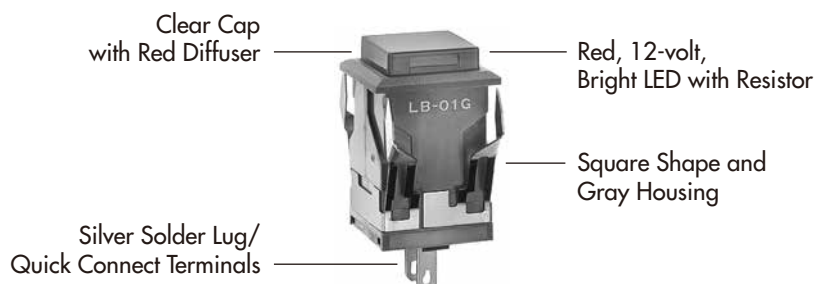
| Terminals |  |
|-----------|--|
| W01       | Silver Solder Lug/<br>Quick Connect<br>Terminals |

| Lamps                                     |                      |          |             |
|---|----------------------|----------|-------------|
| Incandescent Lamp Used with Solid Cap     |                      |          |             |
| 05  | 5-volt               |          |             |
| 12  | 12-volt              |          |             |
| Incandescent or Neon Used with Insert Cap |                      |          |             |
| 01  | 110-volt Neon        |          |             |
| 05  | 5-volt Incandescent  |          |             |
| 12  | 12-volt Incandescent |          |             |
| Bright LED Used with LED Cap              |                      |          |             |
| Colors                                    |                      | Resistor |             |
| 5C  | Red                  | No Code  | No Resistor |
| 5D  | Amber                | 05       | 5-volt      |
|   |                      | 12       | 12-volt     |
| 5F  | Green                | 24       | 24-volt     |
| Super Bright LED Used with LED Cap        |                      |          |             |
| 6B  | White                |          |             |
| 6F  | Green                |          |             |
| 6G  | Blue                 |          |             |

| Cap Types & Colors               |              |
|----------------------------------|--------------|
| Solid Cap: Lens/Filter Colors    |              |
| BJ                               | White/Clear  |
| CJ                               | Red/Clear    |
| EJ                               | Yellow/Clear |
| FJ                               | Green/Clear  |
| GJ                               | Blue/Clear   |
| Insert Cap: Lens/Filter Colors   |              |
| JB                               | Clear/White  |
| JC                               | Clear/Red    |
| JE                               | Clear/Yellow |
| *JF                              | Clear/Green  |
| *JG                              | Clear/Blue   |
| *JF & JG not suitable with neon. |              |
| LED Cap: Lens/Diffuser Colors    |              |
| JB                               | Clear/White  |
| JC                               | Clear/Red    |
| JD                               | Clear/Amber  |
| JF                               | Clear/Green  |
| LED Cap: Lens/Diffuser Colors    |              |
| JB                               | Clear/White  |

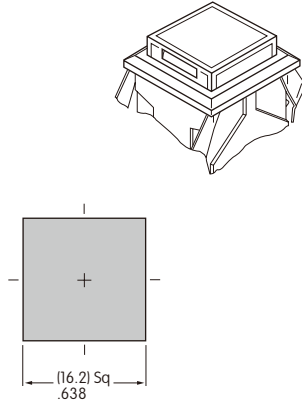
### DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

#### LB01GW01-5C12-JC

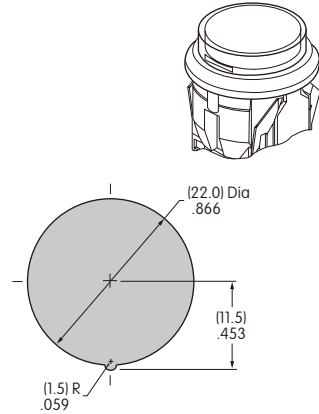


SHAPES & PANEL CUTOUTS

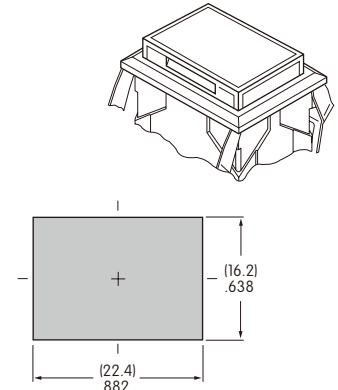
**01** .622" (15.8mm)  
Square



**02** .854" (21.7mm)  
Round



**03** .622" x .866" (15.8mm x 22.0mm)  
Rectangular



Panel Thickness: .039" ~ .157" (1.0 ~ 4.0mm)

HOUSING

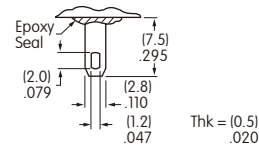
Housing Colors Available:

**K** Black

**G** Gray

TERMINALS

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



LAMP CODES & SPECIFICATIONS

Incandescent Lamp for Solid Colored and Colored Insert Caps

|                                |           |               |                |        |
|--------------------------------|-----------|---------------|----------------|--------|
| <b>AT607</b><br><br>T-1 Bi-pin |           | <b>05</b>     | <b>12</b>      |        |
|                                | Voltage   | V             | 5V AC          | 12V AC |
|                                | Current   | I             | 115mA          | 60mA   |
|                                | Endurance | Hours         | 10,000 average |        |
| Ambient Temp. Range            |           | -25°C ~ +50°C |                |        |

Neon Lamp for Colored Insert Cap

|  |                     |               |                |
|--|---------------------|---------------|----------------|
| <b>AT607N</b><br><br>T-1 Bi-pin                                    |                     | <b>01</b>     |                |
|  | Voltage             | V             | 110V AC        |
|  | Current             | I             | 1.5mA          |
|  | Endurance           | Hours         | 10,000 average |
|  | Ambient Temp. Range | -25°C ~ +50°C |                |
| Recommended Resistors: 33K ohms for 110V AC; 100K ohms for 220V AC |                     |               |                |

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

### LED COLORS & SPECIFICATIONS



The electrical specifications shown are determined at a basic temperature of 25°C. Polarity marks are on the device.

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.

Additional lamp detail is shown in the Accessories & Hardware section.

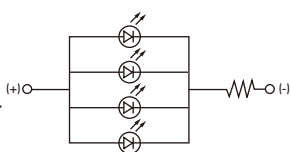
#### Bright LED without Resistor

|  |                                   |                    |                    |                            |           |           |
|--|-----------------------------------|--------------------|--------------------|----------------------------|-----------|-----------|
| <b>AT635</b><br>LEDs are colored in OFF state.<br><br><br>T-1 1/2 Bi-pin | Red<br><b>5C</b>                  | Amber<br><b>5D</b> | Green<br><b>5F</b> | <b>No Code</b> No Resistor |           |           |
|  | Color Codes                       |                    |                    | Red                        | Amber     | Green     |
|  | Maximum Forward Current           |                    |                    | 30mA                       | 30mA      | 30mA      |
|  | Typical Forward Current           |                    |                    | 20mA                       | 20mA      | 20mA      |
|  | Forward Voltage                   |                    |                    | 1.9V                       | 2.0V      | 2.1V      |
|  | Maximum Reverse Voltage           |                    |                    | 5V                         | 5V        | 5V        |
|  | Current Reduction Rate Above 25°C |                    |                    | 0.42mA/°C                  | 0.42mA/°C | 0.42mA/°C |
| Ambient Temperature Range  | -25° ~ +50°C                      |                    |                    |                            |           |           |

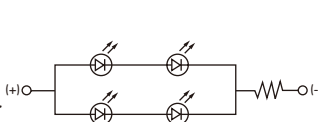
#### Bright LED with Resistor

|   |                                   |                    |                    |   |           |      |      |
|---|-----------------------------------|--------------------|--------------------|---|-----------|------|------|
| <b>AT627 with Resistor</b><br><br>T-1 Bi-pin | Red<br><b>5C</b>                  | Amber<br><b>5D</b> | Green<br><b>5F</b> | Resistor Codes<br><b>05</b> <b>12</b> <b>24</b> |           |      |      |
|   | Color Codes:                      |                    |                    |   |           |      |      |
|   | Maximum Forward Current           |                    |                    | I <sub>FM</sub>                                 | —         | —    | —    |
|   | Typical Forward Current           |                    |                    | I <sub>F</sub>                                  | 52mA      | 26mA | 13mA |
|   | Forward Voltage                   |                    |                    | V <sub>F</sub>                                  | 5V        | 12V  | 24V  |
|   | Maximum Reverse Voltage           |                    |                    | V <sub>RM</sub>                                 | 4V        | 8V   | 16V  |
|   | Current Reduction Rate Above 25°C |                    |                    | ΔI <sub>F</sub>                                 | 0.50mA/°C |      |      |
| Ambient Temperature Range   | -25° ~ +50°C                      |                    |                    |   |           |      |      |

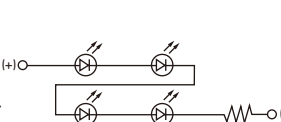
AT627  
5-volt  
4-element  
with Resistor






AT627  
12-volt  
4-element  
with Resistor



AT627  
24-volt  
4-element  
with Resistor



#### Super Bright Single Element LED

|  |   |                 |           |           |           |           |
|--|---|-----------------|-----------|-----------|-----------|-----------|
| <b>AT625G Blue</b><br><b>AT631B White</b><br><b>AT632F Green</b><br><br><br>T-1 Bi-pin |  |                 |           | <b>6B</b> | <b>6F</b> | <b>6G</b> |
|  | Color   | White           | Green     | Blue      |           |           |
|  | Maximum Forward Current   | I <sub>FM</sub> | 30mA      | 30mA      | 30mA      |           |
|  | Typical Forward Current   | I <sub>F</sub>  | 20mA      | 20mA      | 20mA      |           |
|  | Forward Voltage   | V <sub>F</sub>  | 3.3V      | 3.3V      | 3.3V      |           |
|  | Maximum Reverse Voltage   | V <sub>RM</sub> | 7V        | 7V        | 7V        |           |
|  | Current Reduction Rate Above 25°C   | ΔI <sub>F</sub> | 0.40mA/°C | 0.40mA/°C | 0.40mA/°C |           |
| Ambient Temperature Range  | -25° ~ +50°C  |                 |           |           |           |           |

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

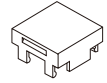
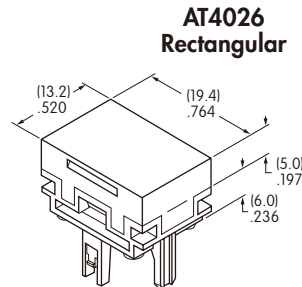
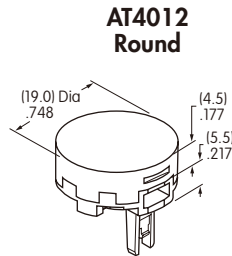
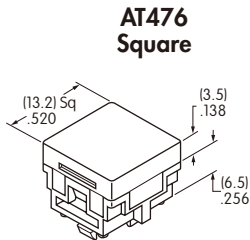
**CAP TYPES & COLOR COMBINATIONS**

Color Codes: B White C Red D Amber E Yellow F Green G Blue J Clear

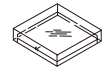
**Solid Cap for Incandescent Lamp**

Lens/Filter Colors Available:

- BJ   FJ
- CJ   GJ
- EJ



Translucent Colored Lens



Transparent Clear Filter



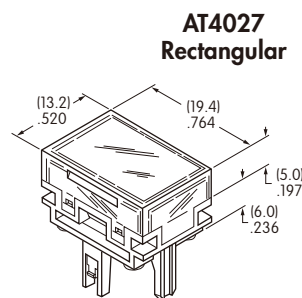
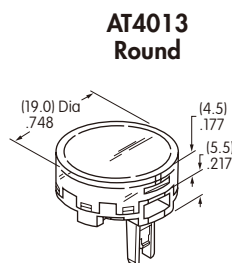
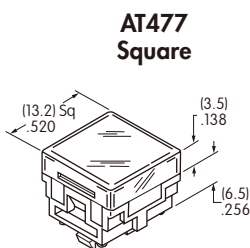
Lamp AT607

Material: Polycarbonate   Finish: Glossy

**Insert Cap for Incandescent or Neon Lamp**

Lens/Filter Colors Available:

- JB   JF
- JC   JG
- JE



Transparent Clear Lens



Translucent Colored Filter



Lamp AT607 or 607N

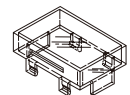
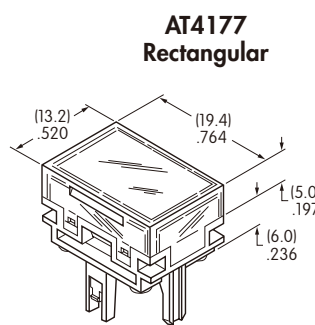
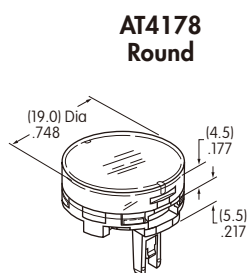
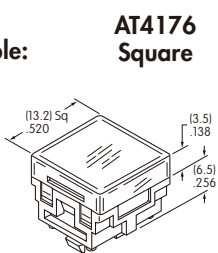
Material: Polycarbonate   Finish: Glossy

JF and JG not suitable with neon lamp.

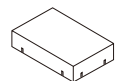
**Cap for Bright LED without Resistor**

Lens/Diffuser Colors Available:

- JB
- JC
- JD
- JF



Transparent Clear Lens



Translucent Colored Diffuser



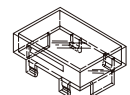
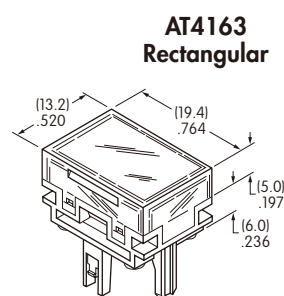
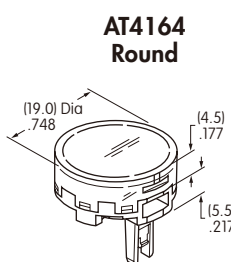
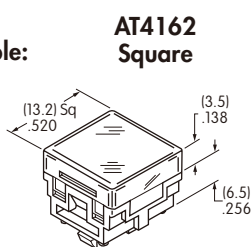
Bright LED AT635

Material: Polycarbonate   Finish: Glossy

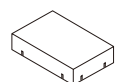
**Cap for Bright LED with Resistor**

Lens/Diffuser Colors Available:

- JB
- JC
- JD
- JF



Transparent Clear Lens



Translucent Colored Diffuser



Bright LED AT627

Material: Polycarbonate   Finish: Glossy

### CAP TYPES & COLOR COMBINATIONS

#### Cap for Super Bright LEDs

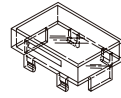


**Clear Lens  
White Diffuser**

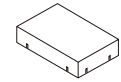
**AT4129  
Square**

**AT4128  
Round**

**AT4130  
Rectangular**



Transparent  
Clear Lens

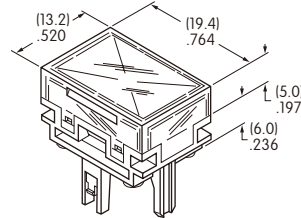
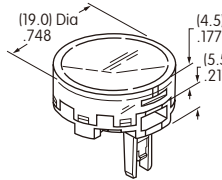
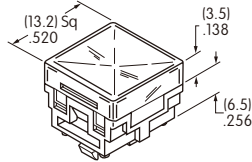


Translucent  
White Diffuser



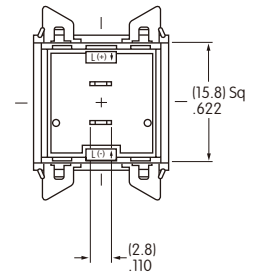
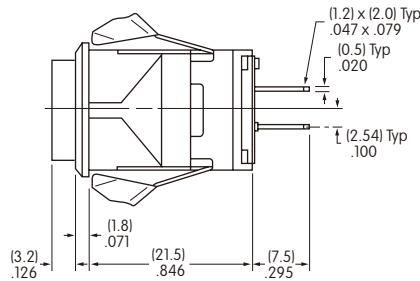
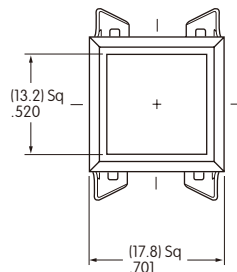
LEDs AT625  
AT631 AT632

Material:  
Polycarbonate  
Finish: Glossy



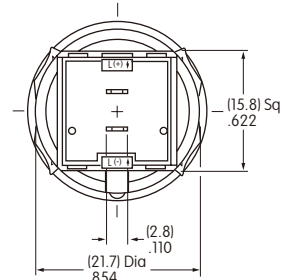
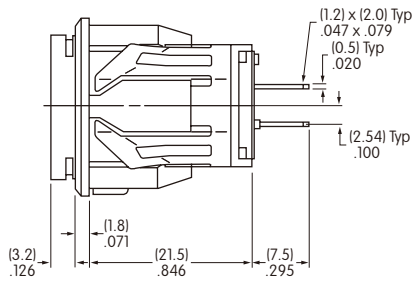
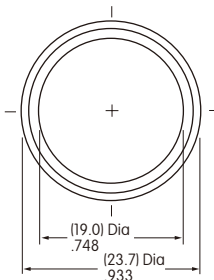
### TYPICAL INDICATOR DIMENSIONS

#### Square



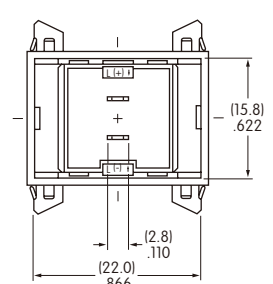
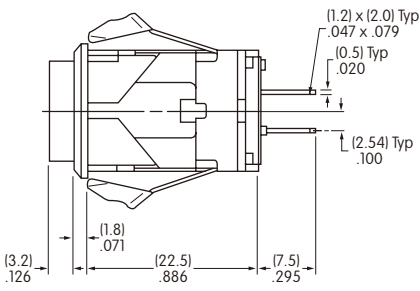
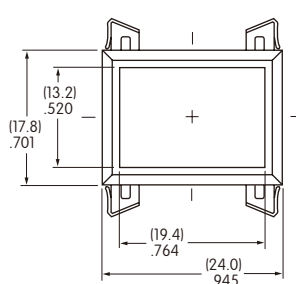
**LB01KW01-12-CJ**

#### Round



**LB02KW01-12-CJ**

#### Rectangular



**LB03KW01-12-CJ**

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