

### TYPICAL INDICATOR ORDERING EXAMPLE

**LB 01 G W01 — 5C 12 — 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      |
| 5F     | Green | 12       | 12-volt     |
|        |       | 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 |
|----|-------------|

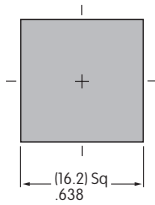
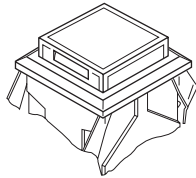
### DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

#### LB01GW01-5C12-JC

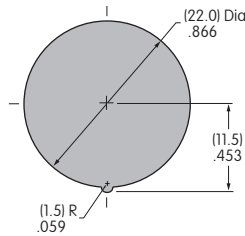
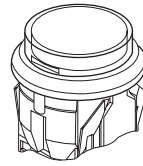


SHAPES & PANEL CUTOUTS

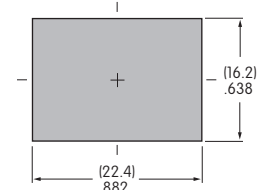
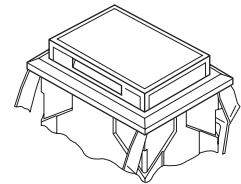
**01** .622" (15.8mm)  
Square



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



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



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

HOUSING

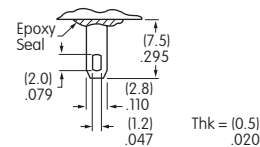
Housing Colors Available:

**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><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


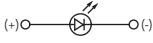
|  |                     |           |                |
|--|---------------------|-----------|----------------|
| <b>AT607N</b><br><br><br>T-1 Bi-pin |                     | <b>01</b> |                |
|  | Voltage             | V         | 110V AC        |
|  | Current             | I         | 1.5mA          |
|  | 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.

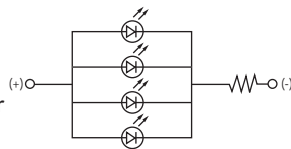
#### Bright LED without Resistor

|   |                                   |                  |                    |                    |                            |
|---|-----------------------------------|------------------|--------------------|--------------------|----------------------------|
| <b>AT635</b><br>LEDs are colored in OFF state.<br><br><br>T-1½ Bi-pin | Color Codes                       | Red<br><b>5C</b> | Amber<br><b>5D</b> | Green<br><b>5F</b> | <b>No Code</b> No Resistor |
|   | Maximum Forward Current           | $I_{FM}$         |                    |                    | 30mA                       |
|   | Typical Forward Current           | $I_F$            |                    |                    | 20mA                       |
|   | Forward Voltage                   | $V_F$            |                    |                    | 1.9V                       |
|   | Maximum Reverse Voltage           | $V_{RM}$         |                    |                    | 5V                         |
|   | Current Reduction Rate Above 25°C | $\Delta I_F$     |                    |                    | 0.42mA/°C                  |
|   | Ambient Temperature Range         |                  |                    |                    | -25° ~ +50°C               |

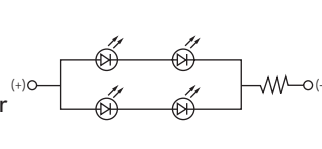
#### Bright LED with Resistor

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

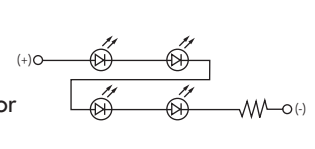
AT627  
5-volt  
4-element  
with Resistor






AT627  
12-volt  
4-element  
with Resistor



AT627  
24-volt  
4-element  
with Resistor



#### Super Bright Single Element LED

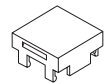
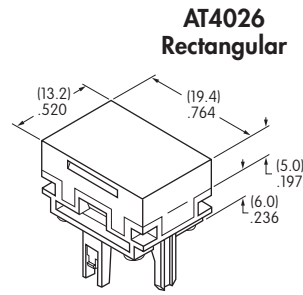
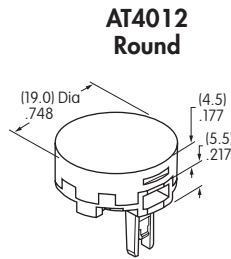
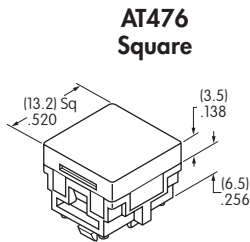
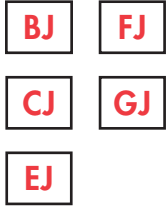
|  |   |              |       |           |              |           |           |
|--|---|--------------|-------|-----------|--------------|-----------|-----------|
| <b>AT625G Blue</b><br><b>AT631B White</b><br><b>AT632F Green</b><br><br><br>T-1 Bi-pin |  |              |       | <b>6B</b> | <b>6F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

## CAP TYPES & COLOR COMBINATIONS

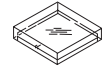
Color Codes: B White C Red D Amber E Yellow F Green G Blue J Clear

### Solid Cap for Incandescent Lamp

Lens/Filter  
Colors Available:



Translucent Colored Lens



Transparent Clear Filter

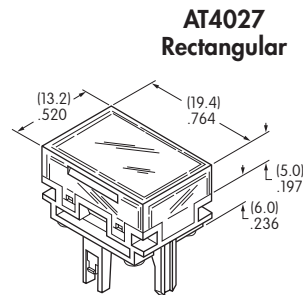
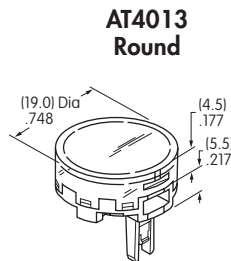
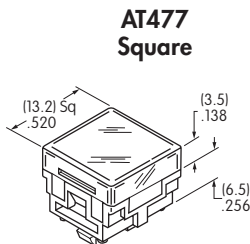
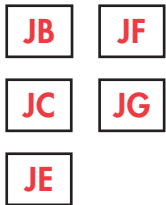


Lamp AT607

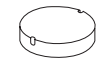
Material: Polycarbonate Finish: Glossy

### Insert Cap for Incandescent or Neon Lamp

Lens/Filter  
Colors Available:



Transparent Clear Lens



Translucent Colored Filter



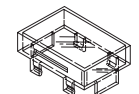
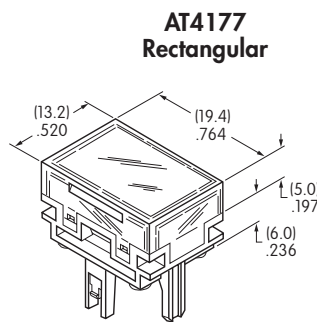
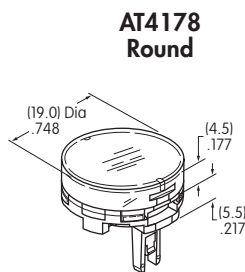
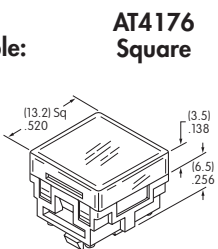
Lamp AT607 or 607N

Material: Polycarbonate Finish: Glossy

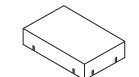
JF and JG not suitable with neon lamp.

### Cap for Bright LED without Resistor

Lens/Diffuser  
Colors Available:



Transparent Clear Lens



Translucent Colored Diffuser

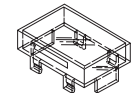
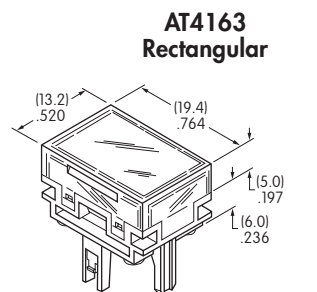
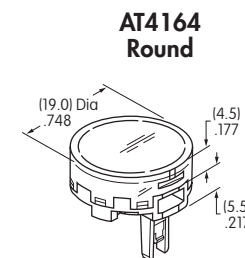
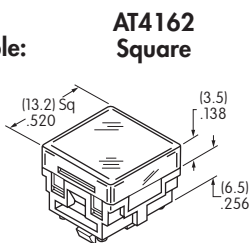


Bright LED AT635

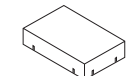
Material: Polycarbonate Finish: Glossy

### Cap for Bright LED with Resistor

Lens/Diffuser  
Colors Available:



Transparent Clear Lens



Translucent Colored Diffuser



Bright LED AT627

Material: Polycarbonate Finish: Glossy

### CAP TYPES & COLOR COMBINATIONS

#### Cap for Super Bright LEDs

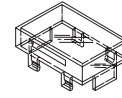


Clear Lens  
White Diffuser

AT4129  
Square

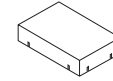
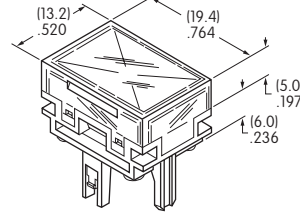
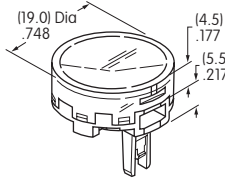
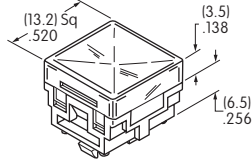
AT4128  
Round

AT4130  
Rectangular



Transparent  
Clear Lens

Material:  
Polycarbonate  
Finish: Glossy



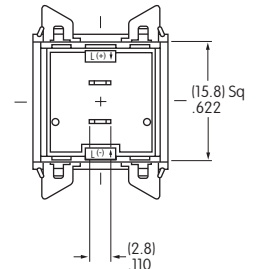
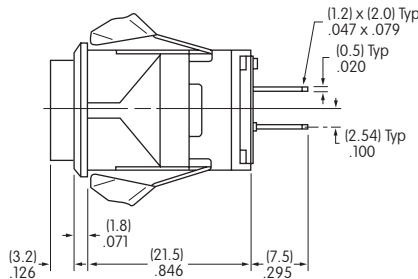
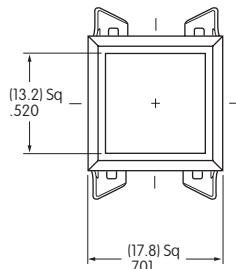
Translucent  
White Diffuser



LEDs AT625  
AT631 AT632

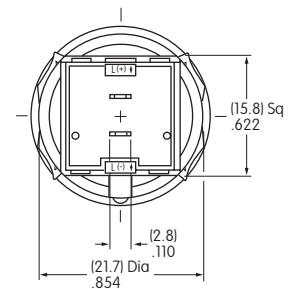
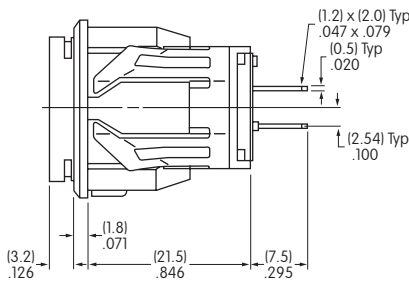
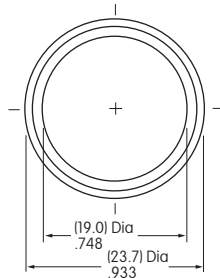
### TYPICAL INDICATOR DIMENSIONS

#### Square



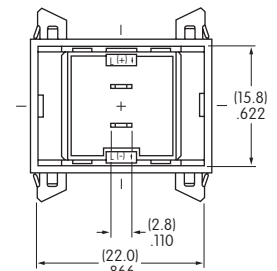
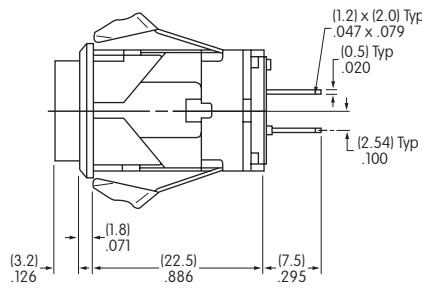
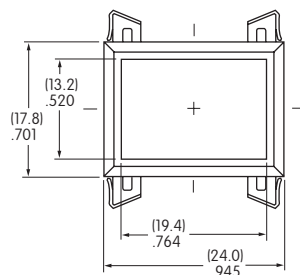
LB01KW01-12-CJ

#### Round



LB02KW01-12-CJ

#### Rectangular



LB03KW01-12-CJ