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LB Indicators

Complement to LB Pushbuttons

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/ Quick Connect 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

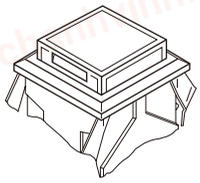
LB01GW01-5C12-JC

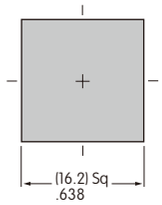


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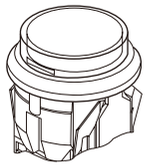
SHAPES & PANEL CUTOUTS

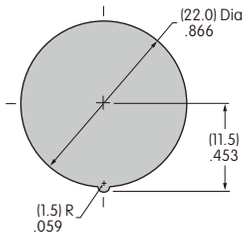
01 .622" (15.8mm) Square



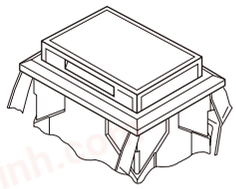


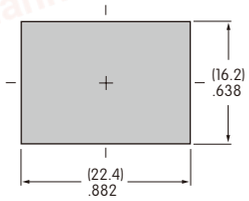
02 .854" (21.7mm) Round





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





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

HOUSING

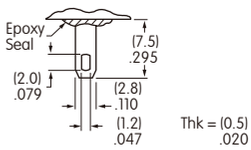
Housing Colors Available:

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

AT607			**05**	**12**
 T-1 Bi-pin	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

AT607N			**01**
 T-1 Bi-pin	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.

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LB Indicators

Complement to LB Pushbuttons

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

AT635

LEDs are colored in OFF state.





T-1½ Bi-pin

Color Codes	Red 5C	Amber 5D	Green 5F	No Code: No Resistor
				Red / Amber / Green
Maximum Forward Current I_{FM}				30mA / 30mA / 30mA
Typical Forward Current I_F				20mA / 20mA / 20mA
Forward Voltage V_F				1.9V / 2.0V / 2.1V
Maximum Reverse Voltage V_{RM}				5V / 5V / 5V
Current Reduction Rate Above 25°C ΔI_F				0.42mA/°C / 0.42mA/°C / 0.42mA/°C
Ambient Temperature Range				−25° ~ +50°C

Bright LED with Resistor

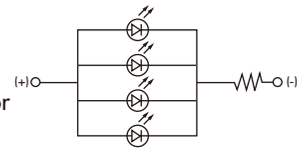
AT627 with Resistor



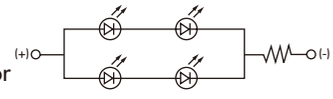
T-1 Bi-pin

Color Codes:	Red 5C	Amber 5D	Green 5F	Resistor Codes 05	12	24
Maximum Forward Current I_{FM}				—	—	—
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 ΔI_F				0.50mA/°C		
Ambient Temperature Range				−25° ~ +50°C		

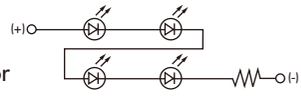
AT627 5-volt 4-element with Resistor



AT627 12-volt 4-element with Resistor



AT627 24-volt 4-element with Resistor



Super Bright Single Element LED

AT625G Blue
AT631B White
AT632F Green





T-1 Bi-pin

ATTENTION ELECTROSTATIC SENSITIVE DEVICES — Color	6B White	6F Green	6G 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 ΔI_F	0.40mA/°C	0.40mA/°C	0.40mA/°C
Ambient Temperature Range	−25° ~ +50°C		

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CAP TYPES & COLOR COMBINATIONS

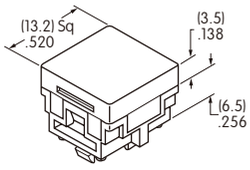
Color Codes: **B** White **C** Red **D** Amber **E** Yellow **F** Green **G** Blue **J** Clear

Solid Cap for Incandescent Lamp

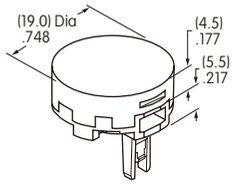
Lens/Filter Colors Available:

BJ FJ CJ GJ EJ

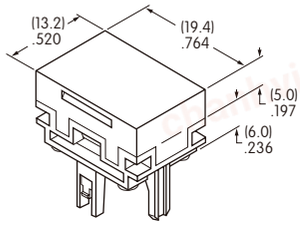
AT476 Square

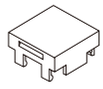


AT4012 Round

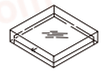


AT4026 Rectangular





Translucent Colored Lens



Transparent Clear Filter



Lamp AT607

Material: Polycarbonate Finish: Glossy

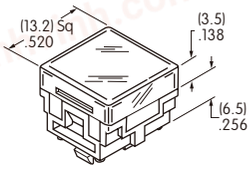
Insert Cap for Incandescent or Neon Lamp

Lens/Filter Colors Available:

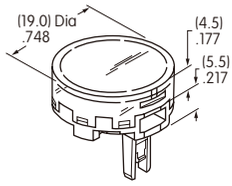
JB JF JC JG JE

JF and JG not suitable with neon lamp.

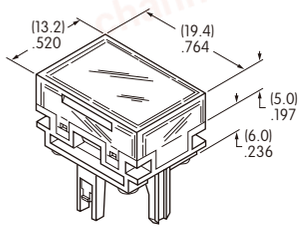
AT477 Square



AT4013 Round



AT4027 Rectangular





Transparent Clear Lens



Translucent Colored Filter



Lamp AT607 or 607N

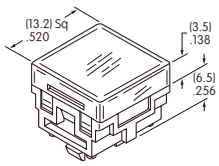
Material: Polycarbonate Finish: Glossy

Cap for Bright LED without Resistor

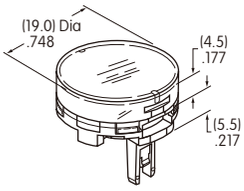
Lens/Diffuser Colors Available:

JB JC JD JF

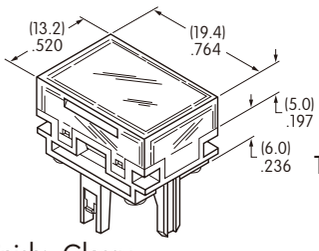
AT4176 Square

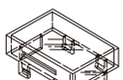


AT4178 Round

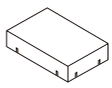


AT4177 Rectangular





Transparent Clear Lens



Translucent Colored Diffuser



Bright LED AT635

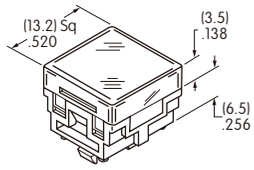
Material: Polycarbonate Finish: Glossy

Cap for Bright LED with Resistor

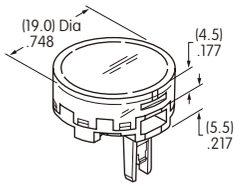
Lens/Diffuser Colors Available:

JB JC JD JF

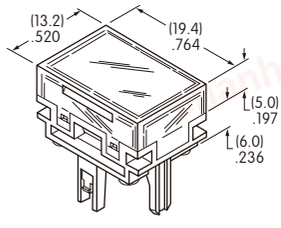
AT4162 Square

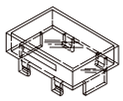


AT4164 Round

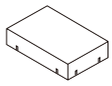


AT4163 Rectangular





Transparent Clear Lens



Translucent Colored Diffuser



Bright LED AT627

Material: Polycarbonate Finish: Glossy

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LB Indicators

Complement to LB Pushbuttons

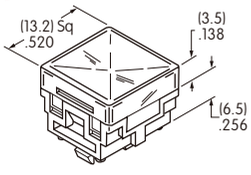
CAP TYPES & COLOR COMBINATIONS

Cap for Super Bright LEDs

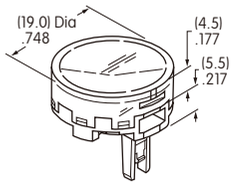
JB **Clear Lens White Diffuser**

Material: Polycarbonate
Finish: Glossy

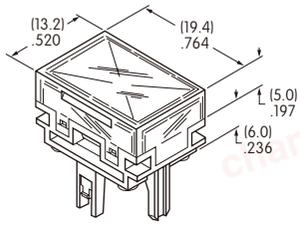
AT4129 Square

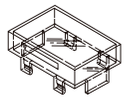


AT4128 Round

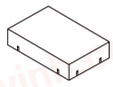


AT4130 Rectangular





Transparent Clear Lens



Translucent White Diffuser

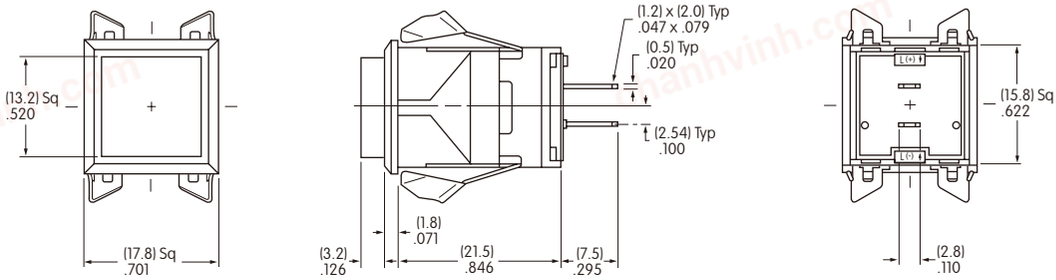


LEDs AT625 AT631 AT632

TYPICAL INDICATOR DIMENSIONS

Square

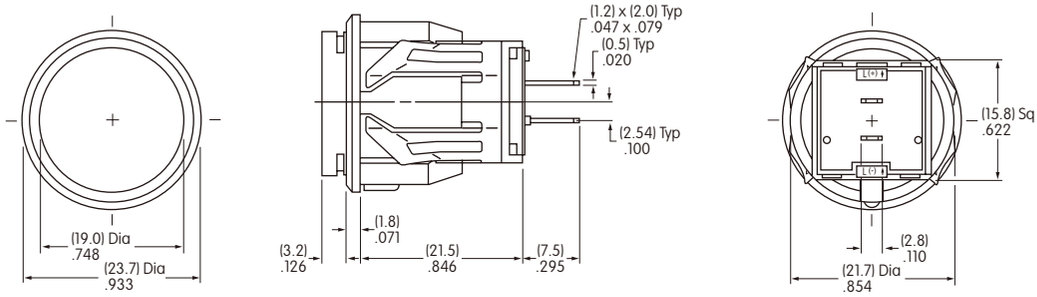




LB01KW01-12-CJ

Round

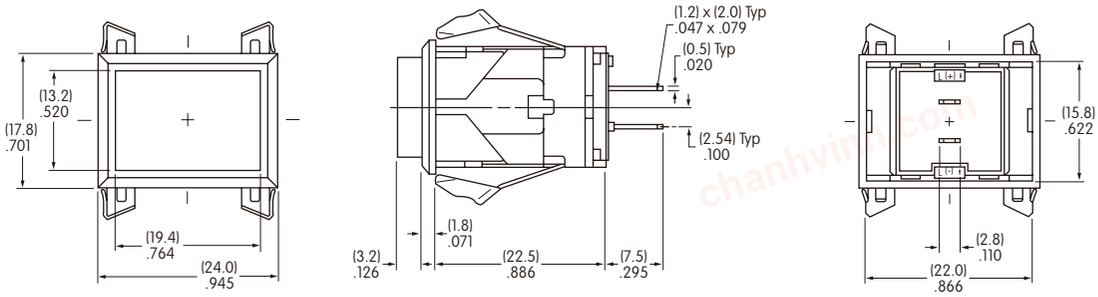




LB02KW01-12-CJ

Rectangular





LB03KW01-12-CJ