



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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/ 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
		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

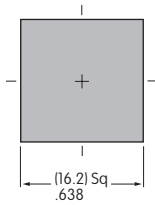
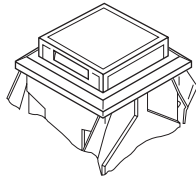
DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

LB01GW01-5C12-JC

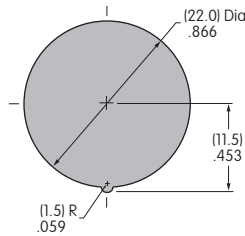
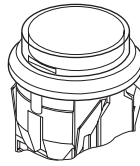


SHAPES & PANEL CUTOUTS

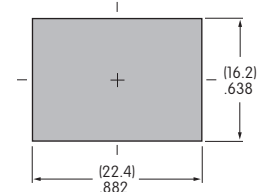
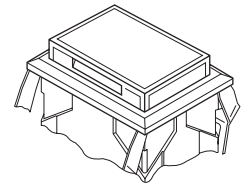
01 .622" (15.8mm)
Square



02 .854" (21.7mm)
Round



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



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

HOUSING

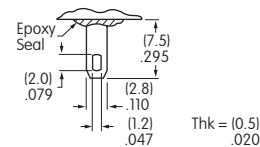
Housing Colors Available:

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

AT607  T-1 Bi-pin		05	12	
	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


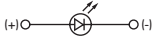
AT607N  T-1 Bi-pin		01	
	Voltage	V	110V AC
	Current	I	1.5mA
	Endurance	Hours	10,000 average
	Ambient Temp. Range		-25°C ~ +50°C
	Recommended Resistors: 33K ohms for 110V AC; 100K ohms for 220V AC		

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.

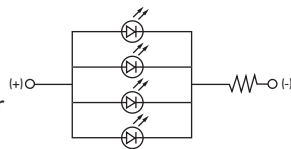
Bright LED without Resistor

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						

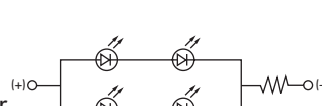
Bright LED with Resistor

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						

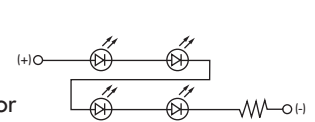
AT627
5-volt
4-element
with Resistor






AT627
12-volt
4-element
with Resistor



AT627
24-volt
4-element
with Resistor



Super Bright Single Element LED

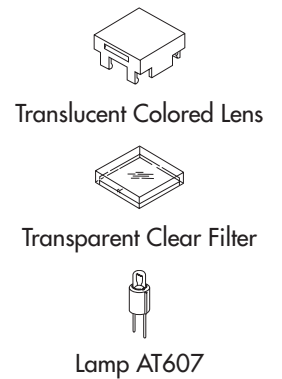
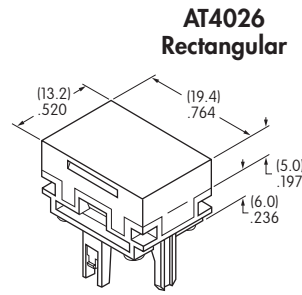
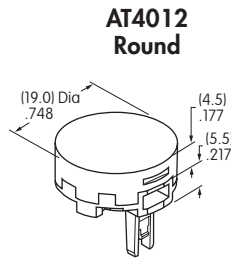
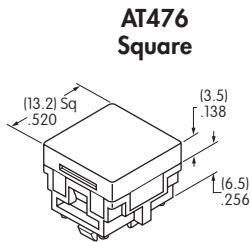
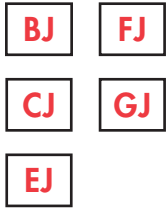
AT625G Blue AT631B White AT632F Green   T-1 Bi-pin				6B	6F	6G
		Color	White	Green	Blue	
	Maximum Forward Current	I_{FM}	30mA	30mA	30mA	
	Typical Forward Current	I_F	20mA	20mA	20mA	
	Forward Voltage	V_F	3.3V	3.3V	3.3V	
	Maximum Reverse Voltage	V_{RM}	7V	7V	7V	
	Current Reduction Rate Above 25°C	ΔI_F	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

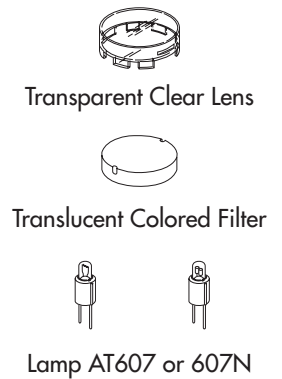
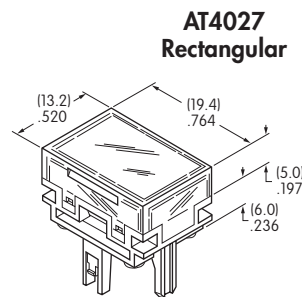
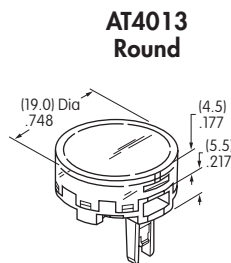
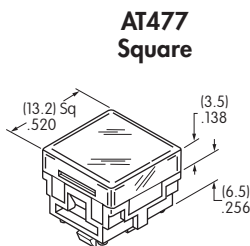
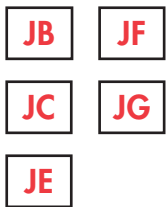
Lens/Filter
Colors Available:



Material: Polycarbonate Finish: Glossy

Insert Cap for Incandescent or Neon Lamp

Lens/Filter
Colors Available:

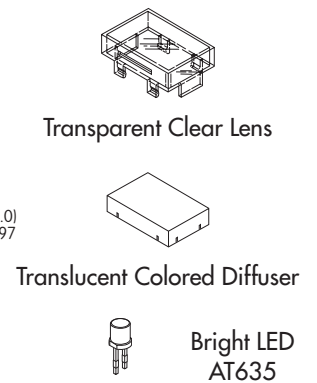
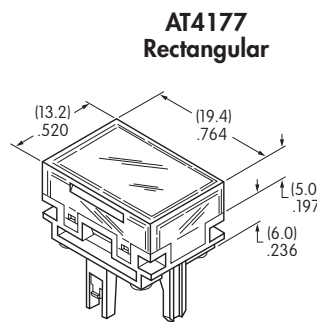
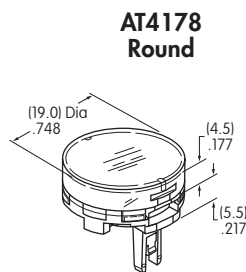
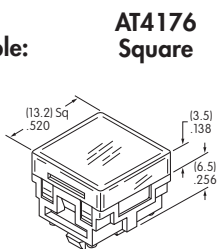


JF and JG not suitable with neon lamp.

Material: Polycarbonate Finish: Glossy

Cap for Bright LED without Resistor

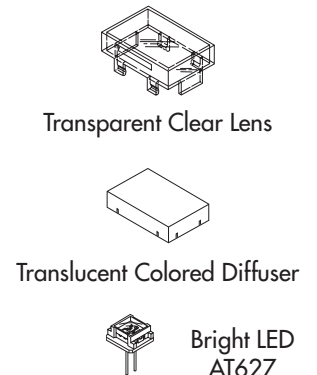
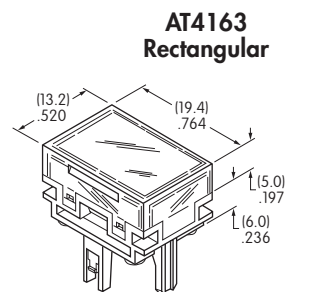
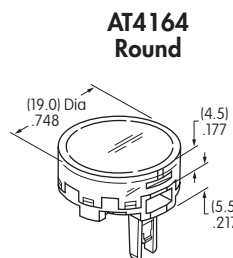
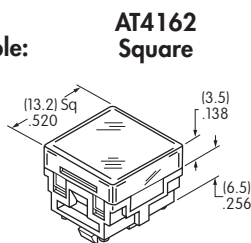
Lens/Diffuser
Colors Available:



Material: Polycarbonate Finish: Glossy

Cap for Bright LED with Resistor

Lens/Diffuser
Colors Available:



Material: Polycarbonate Finish: Glossy

CAP TYPES & COLOR COMBINATIONS

Cap for Super Bright LEDs

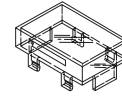


Clear Lens
White Diffuser

AT4129
Square

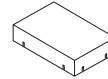
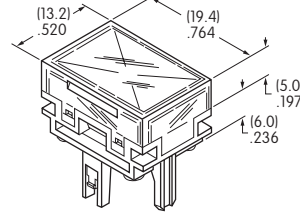
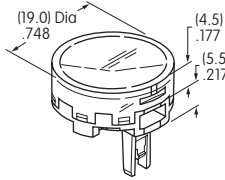
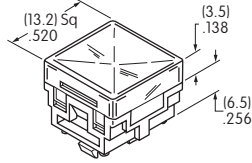
AT4128
Round

AT4130
Rectangular



Transparent
Clear Lens

Material:
Polycarbonate
Finish: Glossy



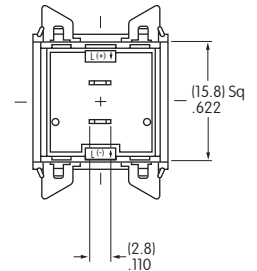
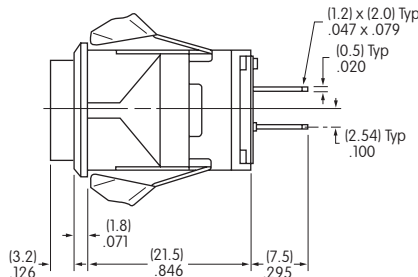
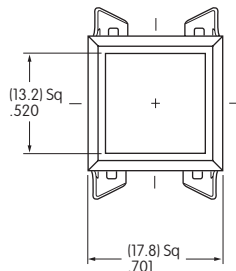
Translucent
White Diffuser



LEDs AT625
AT631 AT632

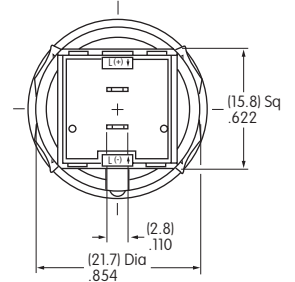
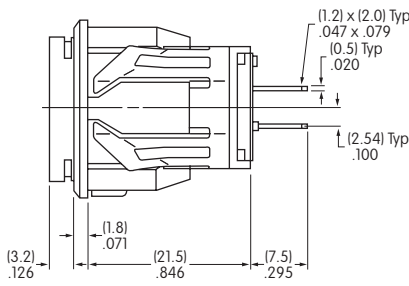
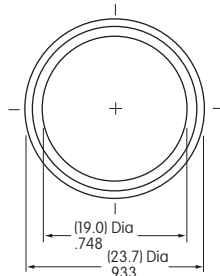
TYPICAL INDICATOR DIMENSIONS

Square



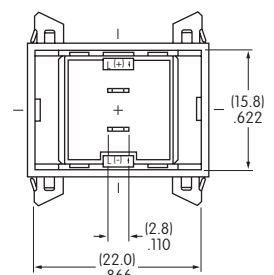
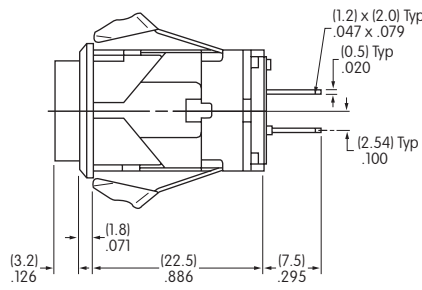
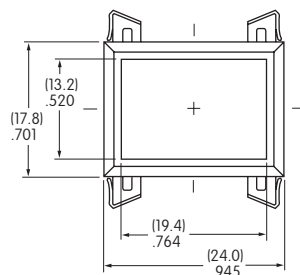
LB01KW01-12-CJ

Round



LB02KW01-12-CJ

Rectangular



LB03KW01-12-CJ