

TYPICAL INDICATOR ORDERING EXAMPLE

**KB**      **02**      **K**      **W01**      —      **12**      —      **FF**

**Shapes**

Bushing Mounting	
01	Square
02	Round
03	Rectangular
Snap-in Mounting	
04	Square
05	Round
06	Rectangular

Housing	
K	Black only

Terminals	
W01	Silver Solder Lug*

\* Wire harness & cable assemblies offered only in Americas

**Lamps**

Incandescent Lamp Used with Solid Cap	
05	5-volt
12	12-volt

Incandescent or Neon Lamp Used with Insert Cap	
05	5-volt
12	12-volt
01	110-volt Neon

Bright LED Used with Cap for LED			
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 Cap for LED	
6B	White
6F	Green
6G	Blue

**Cap Types & Colors**

Solid Cap: Lens/Filter Colors			
BB	White/White	FB	Green/White
CB	Red/White	FF	Green/Green
CC	Red/Red	GB	Blue/White
EB	Yellow/White	GG	Blue/Blue

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	
AB	Square Spot Illuminated Black Cap/White Window
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

**KB02KW01-12-FF**



12-volt Incandescent Lamp Solid Cap with Green Lens and Green Filter

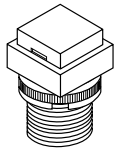
Black Housing Round with Bushing Mounting

Silver Solder Lug Terminals

### SHAPES & MOUNTING TYPES

#### Bushing Mounting

**01** .551" (14mm)  
Square



**02** .551" (14mm)  
Round

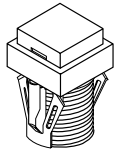


**03** .551" x .728" (14mm x 18.5mm)  
Rectangular



#### Snap-in Mounting

**04** .551" (14mm)  
Square



**05** .551" (14mm)  
Round



**06** .551" x .728" (14mm x 18.5mm)  
Rectangular



The bezel is an integral part of the indicator body.

#### Bushing Mounting

Without  
Keyway



Panel Thickness:  
.020" ~ .315"  
(0.5 ~ 8mm)



With  
Keyway

#### Snap-in Mounting

Panel Thickness:  
.039" ~ .138"  
(1.0 ~ 3.5mm)



### TERMINALS

**W01**

Silver Solder Lug



### LAMP COLORS & SPECIFICATIONS

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 ballast resistor calculation and more lamp detail are shown in the Supplement section.

#### Incandescent & Neon Lamps

AT611 Incandescent	AT615 Neon		<b>05</b>	<b>12</b>	<b>01</b>	Recommended Resistors for Neon: 33K ohms for 110V AC; 100K ohms for 220V AC	
		Voltage	V	5V AC	12V AC		110V AC
		Current	I	115mA	60mA		1.5mA
		Endurance	Hours	7,000 average			10,000


#### Bright LED without Resistor

AT635	Red	Amber	Green	<b>No Code</b> No Resistor		
	<b>5C</b>	<b>5D</b>	<b>5F</b>	Red	Amber	Green
LEDs are colored in OFF state.						
						
						
T-1 1/2 Bi-pin						
Color Codes	<b>5C</b>	<b>5D</b>	<b>5F</b>			
Forward Peak Current			$I_{FM}$	30mA	30mA	30mA
Continuous Forward Current			$I_F$	20mA	20mA	20mA
Forward Voltage			$V_F$	1.9V	2.0V	2.1V
Reverse Peak Voltage			$V_{RM}$	5V	5V	5V
Current Reduction Rate Above 25°C			$\Delta I_F$	0.42mA/°C	0.29mA/°C	0.42mA/°C
Ambient Temperature Range				-25° ~ +50°C		

LAMP COLORS & SPECIFICATIONS

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 ballast resistor calculation and more lamp detail are shown in the Supplement section.

Bright LED with Resistor

<b>AT634</b>  LEDs are colored in OFF state.    T-1 1/4 Bi-pin	Color Codes:	Red <b>5C</b>	Amber <b>5D</b>	Green <b>5F</b>	Resistor Codes			
					<b>05</b>	<b>12</b>	<b>24</b>	
	Forward Peak Current				$I_{FM}$	—	—	—
	Continuous Forward Current				$I_F$	25mA	20mA	10mA
	Forward Voltage				$V_F$	5V	12V	24V
	Reverse Peak Voltage				$V_{RM}$	4V	8V	16V
	Current Reduction Rate Above 25°C				$\Delta I_F$	—	—	—
Ambient Temperature Range					-25° ~ +50°C			

AT634  
5-volt  
2-element  
with 1 Resistor



AT634  
12-volt  
4-element  
with 2 Resistors



AT634  
24-volt  
4-element  
with 2 Resistors



Super Bright Single Element LED

<b>AT625G Blue</b>  <b>AT631B White</b>  <b>AT632F Green</b>    T-1 Bi-pin				<b>6B</b>	<b>6F</b>	<b>6G</b>	
	Color	White	Green	Blue			
	Forward Peak Current	$I_{FM}$	30mA	30mA	30mA		
	Continuous Forward Current	$I_F$	20mA	20mA	20mA		
	Forward Voltage	$V_F$	3.6V	3.5V	3.6V		
	Reverse Peak Voltage	$V_{RM}$	5V	5V	5V		
	Current Reduction Rate Above 25°C	$\Delta I_F$	0.50mA/°C	0.50mA/°C	0.50mA/°C		
Ambient Temperature Range					-25° ~ +50°C		

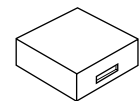
CAP TYPES & COLOR COMBINATIONS

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

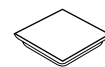
Solid Cap for Incandescent Lamp

Lens/Filter Colors Available:

- BB**
- FB**
- CB**
- FF**
- CC**
- GB**
- EB**
- GG**



Translucent Colored Lens



Translucent Colored Filter



Lamp AT611

Material: Polycarbonate    Finish: Glossy

### CAP TYPES & COLOR COMBINATIONS

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

#### Insert Cap for Incandescent or Neon Lamp

Lens/Filter Colors Available:

**JB**

**AT487**  
Square

**AT488**  
Round

**AT4022**  
Rectangular



Transparent Clear Lens

**JC**

**JE**



Translucent Colored Filter

**JF**

**JG**



Lamp AT611 Lamp AT615

JF and JG not suitable with neon lamp.

Material: Polycarbonate Finish: Glossy

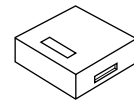
#### Spot Illuminated Cap for Bright LED without Resistor or with Resistor

Cap/Window Colors Available:

**AB**

**Opaque Black Cap with Translucent White Window for Spot Illumination**

**AT4051**  
Square



Bright LED AT635

Bright LED AT634

Material: Polycarbonate Finish: Matte

#### Cap for Bright LED without Resistor or LED with Resistor

Lens/Diffuser Colors Available: (AT4133, 4132, 4134 white diffusers; AT4158, 4160, 4159 colored diffusers)

**JB**

**AT4133**

**AT4132**

**AT4134**



Transparent Clear Lens

Square

Round

Rectangular

**JC**

**AT4158**

**AT4160**

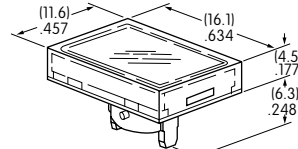
**AT4159**



Translucent Diffuser

**JD**

**JF**



Bright LED AT635

Bright LED AT634

Material: Polycarbonate Finish: Glossy

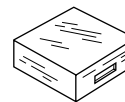
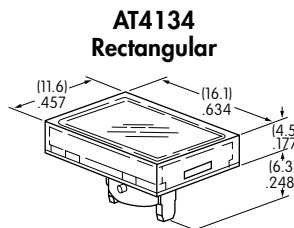
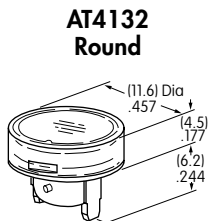
## CAP TYPES & COLOR COMBINATIONS

### Cap for Super Bright LED

Lens/Diffuser  
Colors Available:



Clear Lens  
White Diffuser



Translucent Clear Lens



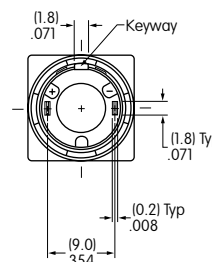
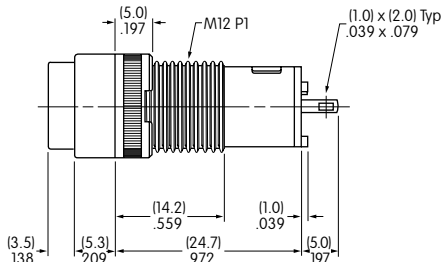
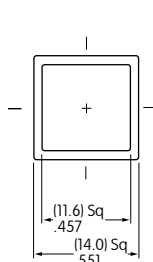
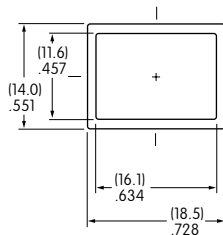
Translucent White Diffuser



Super Bright LEDs  
AT625, AT631, AT632

Material: Polycarbonate Finish: Glossy

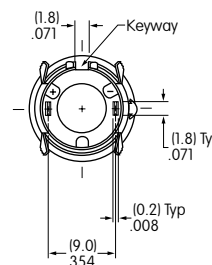
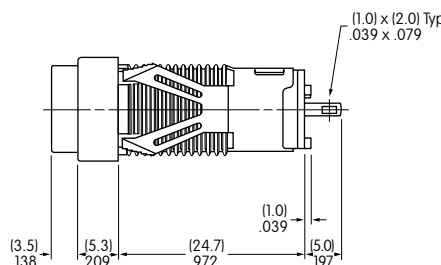
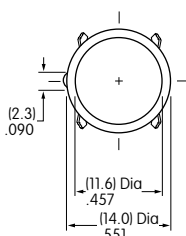
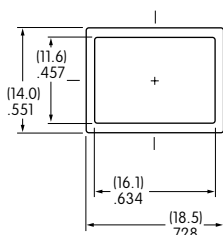
## TYPICAL INDICATOR DIMENSIONS



### Bushing Mount



KB01KW01-05-GG



### Snap-in Mount



KB05KW01-05-FF

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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.