

TYPICAL INDICATOR ORDERING EXAMPLE

KB	02	K	W01	—	12	—	FF																																																																																				
Shapes Bushing Mounting <table><tr><td>01</td><td>Square</td></tr><tr><td>02</td><td>Round</td></tr><tr><td>03</td><td>Rectangular</td></tr></table> Snap-in Mounting <table><tr><td>04</td><td>Square</td></tr><tr><td>05</td><td>Round</td></tr><tr><td>06</td><td>Rectangular</td></tr></table>		01	Square	02	Round	03	Rectangular	04	Square	05	Round	06	Rectangular	Lamps Incandescent Lamp Used with Solid Cap <table><tr><td>05</td><td>5-volt</td></tr><tr><td>12</td><td>12-volt</td></tr></table> Incandescent or Neon Lamp Used with Insert Cap <table><tr><td>05</td><td>5-volt</td></tr><tr><td>12</td><td>12-volt</td></tr><tr><td>01</td><td>110-volt Neon</td></tr></table> Bright LED Used with Cap for LED <table><tr><th colspan="2">Colors</th><th colspan="2">Resistor</th></tr><tr><td>5C</td><td>Red</td><td>No Code</td><td>No Resistor</td></tr><tr><td>5D</td><td>Amber</td><td>05</td><td>5-volt</td></tr><tr><td></td><td></td><td>12</td><td>12-volt</td></tr><tr><td>5F</td><td>Green</td><td>24</td><td>24-volt</td></tr></table> Super Bright LED Used with Cap for LED <table><tr><td>6B</td><td>White</td></tr><tr><td>6F</td><td>Green</td></tr><tr><td>6G</td><td>Blue</td></tr></table>		05	5-volt	12	12-volt	05	5-volt	12	12-volt	01	110-volt Neon	Colors		Resistor		5C	Red	No Code	No Resistor	5D	Amber	05	5-volt			12	12-volt	5F	Green	24	24-volt	6B	White	6F	Green	6G	Blue	Cap Types & Colors Solid Cap: Lens/Filter Colors <table><tr><td>BB</td><td>White/White</td><td>FB</td><td>Green/White</td></tr><tr><td>CB</td><td>Red/White</td><td>FF</td><td>Green/Green</td></tr><tr><td>CC</td><td>Red/Red</td><td>GB</td><td>Blue/White</td></tr><tr><td>EB</td><td>Yellow/White</td><td>GG</td><td>Blue/Blue</td></tr></table> Insert Cap: Lens/Filter Colors <table><tr><td>JB</td><td>Clear/White</td></tr><tr><td>JC</td><td>Clear/Red</td></tr><tr><td>JE</td><td>Clear/Yellow</td></tr><tr><td>*JF</td><td>Clear/Green</td></tr><tr><td>*JG</td><td>Clear/Blue</td></tr></table> * JF & JG not suitable with neon. LED Cap: Lens/Diffuser Colors <table><tr><td>AB</td><td>Square Spot Illuminated Black Cap/White Window</td></tr><tr><td>JB</td><td>Clear/White</td></tr><tr><td>JC</td><td>Clear/Red</td></tr><tr><td>JD</td><td>Clear/Amber</td></tr><tr><td>JF</td><td>Clear/Green</td></tr></table> LED Cap: Lens/Diffuser Colors <table><tr><td>JB</td><td>Clear/White</td></tr></table>		BB	White/White	FB	Green/White	CB	Red/White	FF	Green/Green	CC	Red/Red	GB	Blue/White	EB	Yellow/White	GG	Blue/Blue	JB	Clear/White	JC	Clear/Red	JE	Clear/Yellow	*JF	Clear/Green	*JG	Clear/Blue	AB	Square Spot Illuminated Black Cap/White Window	JB	Clear/White	JC	Clear/Red	JD	Clear/Amber	JF	Clear/Green	JB	Clear/White
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Terminals <table><tr><td>W01</td><td>Silver Solder Lug</td></tr></table>		W01	Silver Solder Lug																																																																																								
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DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

KB02KW01-12-FF



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

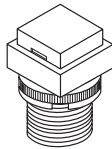
Black Housing
Round with Bushing Mounting

Silver Solder Lug Terminals

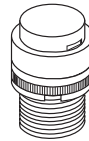
SHAPES & MOUNTING TYPES

Bushing Mounting

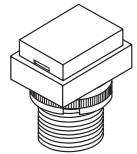
01 .551" (14mm)
Square



02 .551" (14mm)
Round

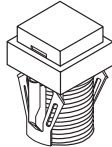


03 .551" x .728" (14mm x 18.5mm)
Rectangular

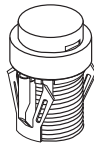


Snap-in Mounting

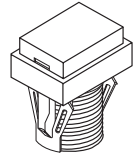
04 .551" (14mm)
Square



05 .551" (14mm)
Round



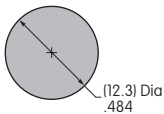
06 .551" x .728" (14mm x 18.5mm)
Rectangular



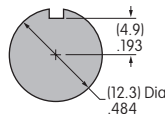
The bezel is an integral part of the indicator body.

Bushing Mounting

Without
Keyway



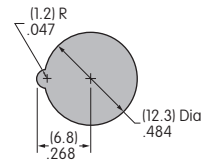
Panel Thickness:
.020" ~ .315"
(0.5 ~ 8mm)



With
Keyway

Snap-in Mounting

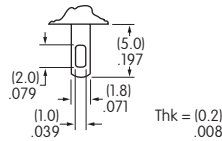
Panel Thickness:
.039" ~ .138"
(1.0 ~ 3.5mm)



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		05	12	01	Recommended Resistors for Neon: 33K ohms for 110V AC; 100K ohms for 220V AC
						
T-1 Bi-pin		Voltage	V	5V AC	12V AC	
		Current	I	115mA	60mA	
		Endurance	Hours	7,000 average		10,000

Bright LED without Resistor

AT635	Red	Amber	Green	No Code No Resistor		
LEDs are colored in OFF state.	5C	5D	5F	Red	Amber	Green
				30mA	30mA	30mA
				20mA	20mA	20mA
				1.9V	2.0V	2.1V
				5V	5V	5V
				0.42mA/°C	0.29mA/°C	0.42mA/°C
				-25° ~ +50°C		



T-1 1/2 Bi-pin

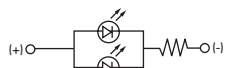
LAMP COLORS & SPECIFICATIONS

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.

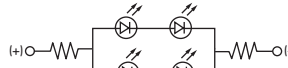
Bright LED with Resistor

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

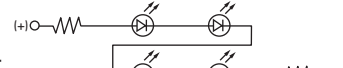
AT634
5-volt
2-element
with 1 Resistor



AT634
12-volt
4-element
with 2 Resistors



AT634
24-volt
4-element
with 2 Resistors



Super Bright Single Element LED

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



T-1 Bi-pin

CAP TYPES & COLOR COMBINATIONS

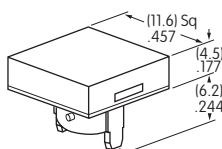
Color Codes: B White C Red E Yellow F Green G Blue J Clear

Solid Cap for Incandescent Lamp

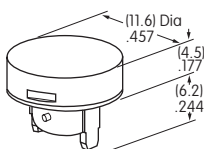
Lens/Filter Colors Available:



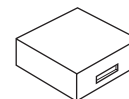
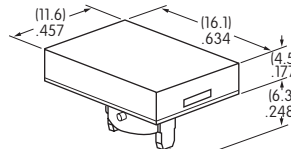
AT485 Square



AT486 Round



AT4021 Rectangular



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

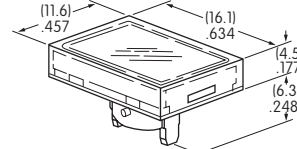
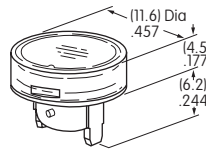
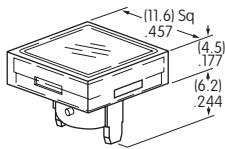
JC

JE



Translucent Colored Filter

JF



JG



JF and JG not suitable with neon lamp.

Material: Polycarbonate Finish: Glossy

Lamp AT611 Lamp AT615

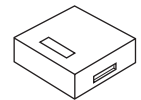
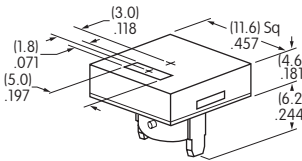
Spot Illuminated Cap for Bright LED without Resistor or with Resistor

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

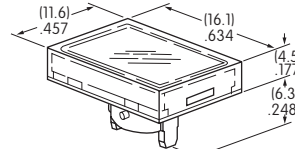
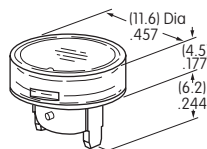
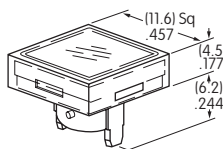
AT4159



Translucent Diffuser

JD

JF



Bright LED
AT635

Bright LED
AT634

Material: Polycarbonate Finish: Glossy

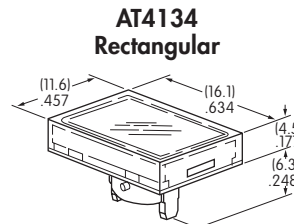
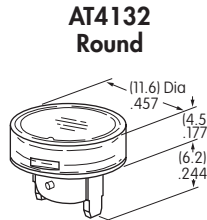
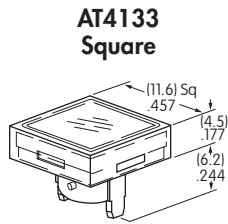
CAP TYPES & COLOR COMBINATIONS

Cap for Super Bright LED

Lens/Diffuser
Colors Available:

JB

Clear Lens
White Diffuser



Translucent Clear Lens



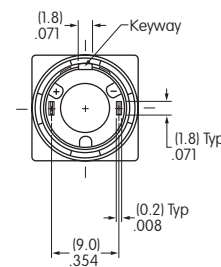
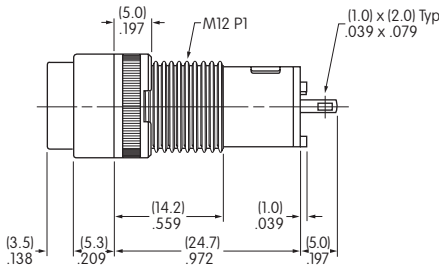
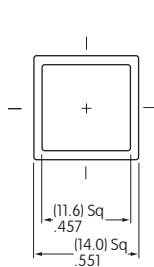
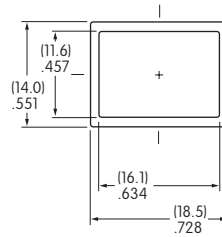
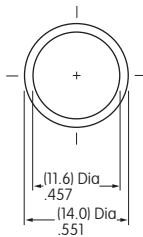
Translucent White Diffuser



Super Bright LEDs
AT625, AT631, AT632

Material: Polycarbonate Finish: Glossy

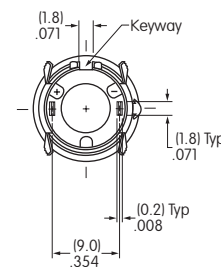
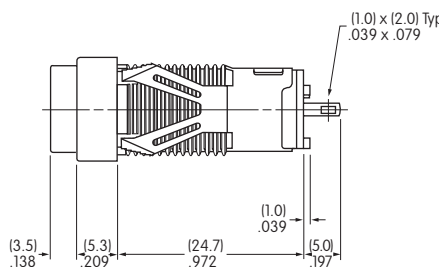
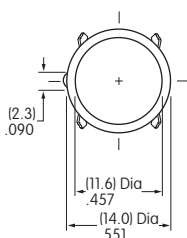
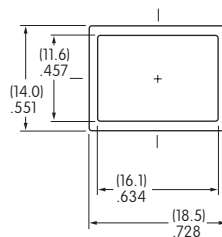
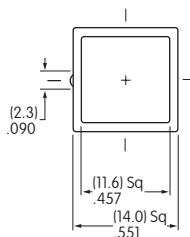
TYPICAL INDICATOR DIMENSIONS



Bushing Mount



KB01KW01-05-GG



Snap-in Mount



KB05KW01-05-FF

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

NKK Switches:

[KB01KW01-6B-JB](#) [KB03KW01-6B-JB](#) [KB05KW01-6B-JB](#) [KB02KW01-6B-JB](#)