# General Specifications

## Electrical Capacity (Resistive Load)

**Power Level (silver):** 1A @ 125/250V AC or 1A @ 30V DC
**Logic Level (gold):** 0.4VA maximum @ 28V AC/DC maximum (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)
Note: Find additional explanation of operating range in Supplement section.

## Other Ratings

**Contact Resistance:** 50 milliohms maximum
**Insulation Resistance:** 1,000 megohms minimum @ 500V DC
**Dielectric Strength:** For Silver: 1,000V AC minimum between contacts for 1 minute minimum &
1,500V AC minimum between contacts & case for 1 minute minimum;
For Gold: 750V AC minimum between contacts for 1 minute minimum &
1,500V AC minimum between contacts & case for 1 minute minimum
**Mechanical Life:** 100,000 operations minimum
**Electrical Life:** 50,000 operations minimum for silver; 100,000 operations minimum for gold
**Nominal Operating Force:** Single pole 0.98 ~ 2.45N for maintained & 0.98 ~ 1.96N for momentary;
Double pole 1.47 ~ 3.43N for maintained & 1.47 ~ 2.94N for momentary
**Contact Timing:** Nonshorting (break-before-make)
**Travel:** Pretravel .087" (2.2mm); Overtravel .031" (0.8mm); Total Travel .118" (3.0mm)

## Materials & Finishes

**Housing:** Polyamide (UL94V-0)
**Movable Contactor:** Silver for power circuit; copper with gold plating for logic level circuit
**Stationary Contacts:** Silver for power circuit; copper with gold plating for logic level circuit
**Housing Base:** Polyamide (UL94V-0)
**Terminal Base:** Polyester
**Common Terminals:** Phosphor bronze with silver flash plating for power circuit;
Phosphor bronze with gold flash plating for logic level circuit
**End Terminals:** Brass with silver flash plating for power circuit;
Brass with gold flash plating for logic level circuit
**Lamp Terminals:** Phosphor bronze with nickel flash plating

## Environmental Data

**Operating Temperature Range:** −25°C through +50°C (−13°F through +122°F) for Illuminated
−25°C through +70°C (−13°F through +158°F) for Nonilluminated
**Humidity:** 90 ~ 95% humidity for 96 hours @ 40°C (104°F)
**Vibration:** 10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning
in 1 minute; 3 right angled directions for 2 hours
**Shock:** 50G (490m/s$^2$) acceleration (tested in 6 right angled directions, with 3 shocks in each direction)

## Installation

**Mounting Torque:** 0.78Nm (6.9 lb•in) maximum
**Cap Installation Force:** 4.51N (1.0 lbf) maximum downward force on cap
**Soldering Time & Temperature:** Manual Soldering: See Profile A in Supplement section.

## Standards & Certifications

**Flammability Standards:** UL94V-0 housing & housing base
**UL:** **File No. E44145 - Recognized only when ordered with marking on switch.**
Add "/U" or "/CUL" before first dash in part number to order UL recognized switch.
Single & double pole models recognized at 1A @ 125/250V AC, 1A @ 30V DC, & 0.4VA @ 28V DC.
**CSA:** **File No. 023535_0_000 - Certified only when ordered with marking on switch.**
Add "/C" before first dash in part number to order CSA certified switch.
Single & double pole models recognized at 1A @ 125/250V AC, 1A @ 30V DC, & 0.4VA @ 28V DC.

NKK SWITCHES

# Distinctive <span style="color:red">Characteristics</span>

Bright illumination with numerous color variations.  Spot illumination available. Square, rectangular, and round shaped caps.

Front panel relamping.

Choice of bright or super bright LEDs in red, amber, green, white, and blue.

Latchdown feature gives indication of circuit status.  Audible and tactile feedback with smooth and responsive operation.

Snap-action mechanism for long life.

Stainless steel frame on snap-in models has a specially designed projection, which prevents rotation and correctly orients switch in panel.

12mm body diameter.

Molded-in terminals lock out flux, dust, and other contaminants.

8mm panel thickness capability.  Rear panel bushing or snap-in mounting.

Optional PCB adaptors in straight and right angle types.

Matching indicators available.

Actual Size
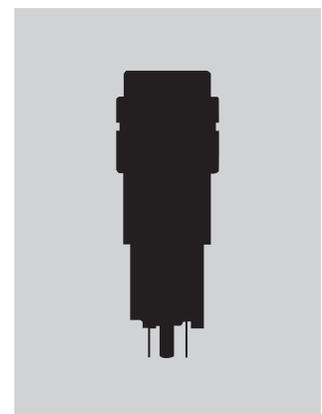
Toggles

Rockers

Pushbuttons

D    Illuminated PB

Programmable

Keylocks

Rotaries

Slides

Tactiles

Tilt

Touch

Indicators

Accessories

Supplement

## TYPICAL SWITCH

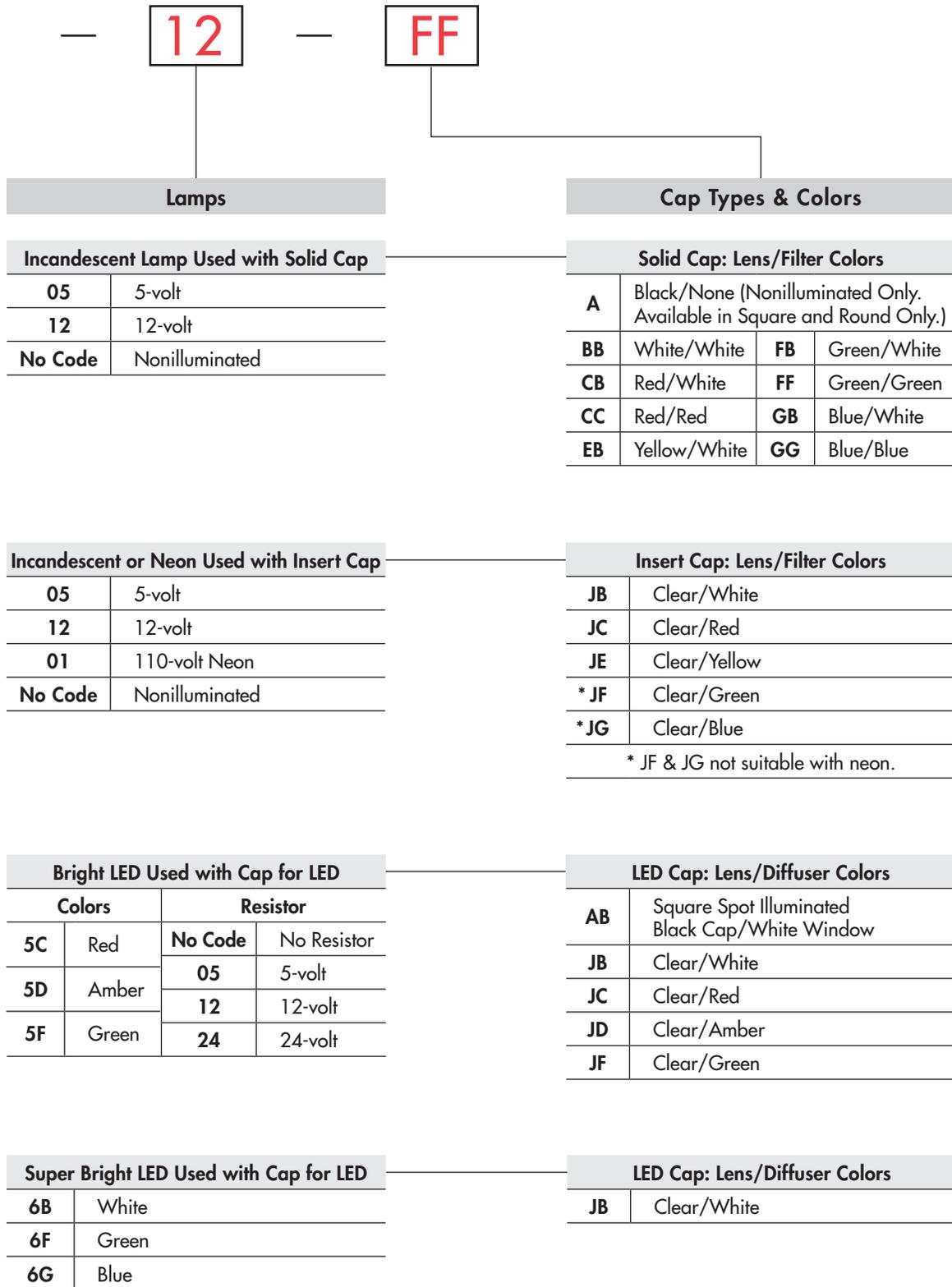| KB | 1 | 5 | C | K | W01 | |
|----|---|---|---|---|-----|---|

### Poles

| 1 | SPDT |
|---|------|
| 2 | DPDT |

### Circuits

| 5 | ON | (ON) |
|---|----|------|
| ( ) = Momentary | | |
| 6 | ON | ON |
| Alternate Action with Latchdown | | |

### Shapes

**Bushing Mounting**

| S | Square |
|---|--------|
| C | Round |
| R | Rectangular |

**Snap-in Mounting**

| K | Square |
|---|--------|
| M | Round |
| N | Rectangular |

### Housing

| K | Black only |
|---|-----------|

### Barrier Type

| No Code | No Barrier |
|---------|-----------|
| B | With Barrier |

### Contacts & Terminals

| W01 | Silver Contacts and Solder Lug Terminals 1A @ 125/250V AC |
|-----|------|
| G01 | Gold Contacts and Solder Lug Terminals 0.4VA @ 28V AC/DC |
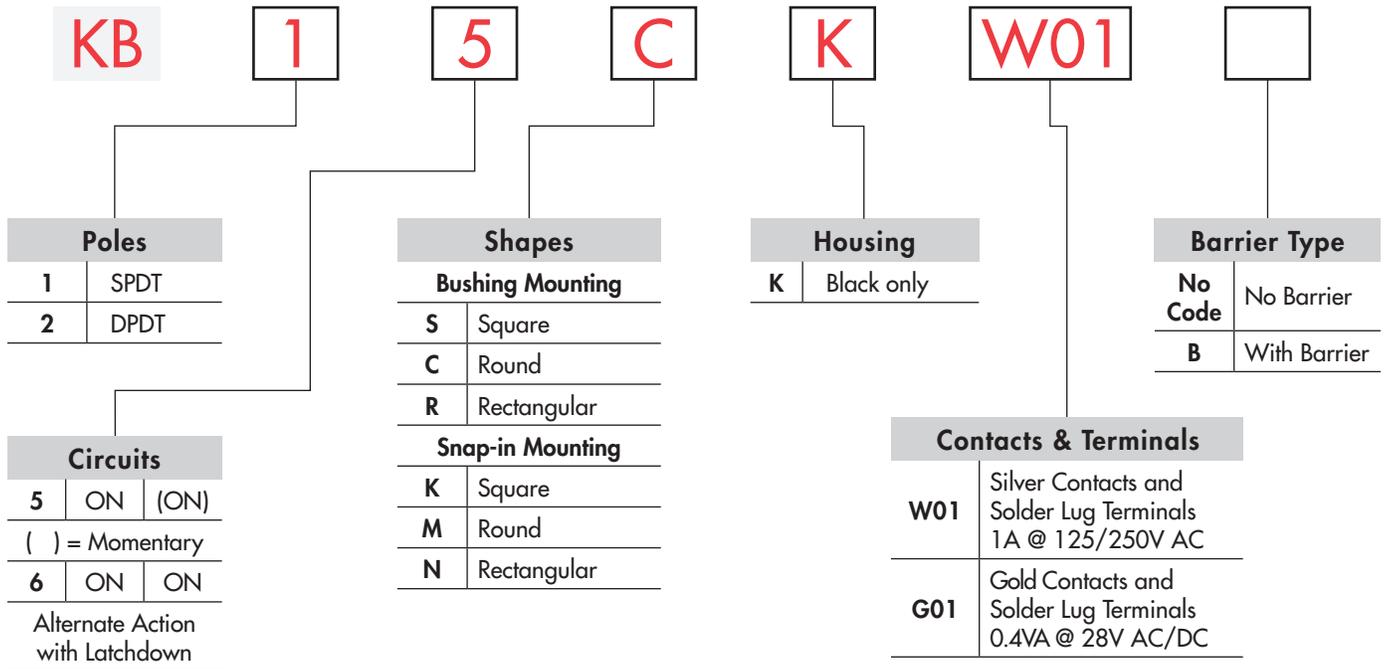
### IMPORTANT:

⚠ Switches are supplied without UL, cULus & CSA marking unless specified. **UL, cULus & CSA recognized only when ordered with marking on the switch.** Specific models, ratings, & ordering instructions are noted on the General Specifications page.

### DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

**KB15CKW01-12-FF**

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

Round with Bushing Mounting

SPDT ON-(ON) Circuit

Black Housing

Silver Contacts and Solder Lug Terminals; Rated 1A @ 125/250V AC

NKK SWITCHES

# Miniature Pushbuttons

# Series KB

## ORDERING EXAMPLE

— **12** — **FF**

### Lamps

**Incandescent Lamp Used with Solid Cap**

| 05 | 5-volt |
|---|---|
| 12 | 12-volt |
| No Code | Nonilluminated |

**Incandescent or Neon Used with Insert Cap**

| 05 | 5-volt |
|---|---|
| 12 | 12-volt |
| 01 | 110-volt Neon |
| No Code | Nonilluminated |

**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**

| A | Black/None (Nonilluminated Only. Available in Square and Round Only.) | | |
|---|---|---|---|
| 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 |
|---|---|

Toggles · Rockers · Pushbuttons · D · Illuminated PB · Programmable · Keylocks · Rotaries · Slides · Tactiles · Tilt · Touch · Indicators · Accessories · Supplement

www.nkkswitches.com

D25

# Series KB

Toggles
Rockers
Pushbuttons
Illuminated PB  D
Programmable
Keylocks
Rotaries
Slides
Tactiles
Tilt
Touch
Indicators
Accessories
Supplement

# Miniature Pushbuttons

## POLES & CIRCUITS

| Pole | Model | Plunger Position ( ) = Momentary | | Connected Terminals | | Throw & Switch/Lamp Schematics | |
|---|---|---|---|---|---|---|---|
| | | Normal | Down | Normal | Down | | |
| SP | KB15 *KB16 | ON ON | (ON) ON | 2-3 | 2-1 | SPDT | |
| DP | KB25 *KB26 | ON ON | (ON) ON | 2-3 5-6 | 2-1 5-4 | DPDT | |

Notes: Switch is marked with "+" and "−". Lamp circuit is isolated and requires external power source.

SPDT: 2 (COM), 3, 1 — L (+) —O— (-) L

DPDT: 2 (COM), 5, 3, 1, 6, 4 — L (+) —O— (-) L

* When in latchdown position for the alternate circuit, cap position is .055" (1.4mm) above the built-in bezel.

## MOUNTING TYPES & SHAPES

### Bushing Mounting

S  .551" (14.0mm) Square
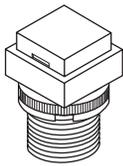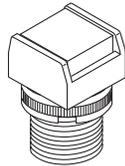


No barrier       With barrier

C  .551" (14.0mm) Round



R  .551" x .728" (14.0mm x 18.5mm) Rectangular
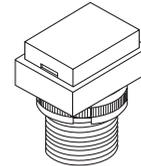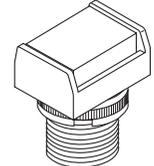


No barrier       With barrier

Bezel or barrier is an integral part of the switch body.  One mounting nut AT057 supplied with each switch.

### Snap-in Mounting

K  .551" (14.0mm) Square
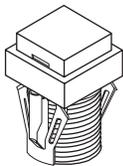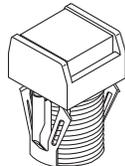


No barrier       With barrier

M  .551" (14.0mm) Round
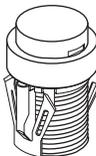


N  .551" x .728" (14.0mm x 18.5mm) Rectangular
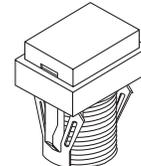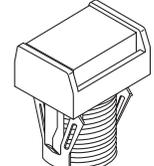


No barrier       With barrier

Bezel or barrier is an integral part of the switch body.

### Panel Cutouts

**Bushing Mounting**

Without Keyway



(12.3) Dia .484
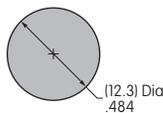
Panel Thickness: .020" ~ .315" (0.5 ~ 8.0mm)

With Keyway



(4.9) .193
(12.3) Dia .484
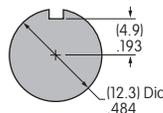
**Snap-in Mounting**

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



(1.2) R .047
(12.3) Dia .484
(6.8) .268
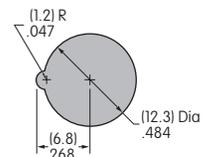
Panel thicknesses, when using optional accessories, are shown with the accessories at the end of this KB section.

## HOUSING

K  **Housing available in black only.**  Bezel or barrier is an integral part of the switch body.

# Series KB

Toggles
Rockers
Pushbuttons
Illuminated PB
D
Programmable
Keylocks
Rotaries
Slides
Tactiles
Tilt
Touch
Indicators
Accessories
Supplement

## CONTACT MATERIALS, RATINGS & TERMINALS

**W** Silver Contacts

**Power Level**
1A @ 125V AC & 250V AC
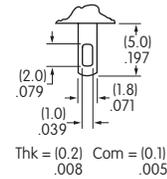
**G** Gold Contacts

**Logic Level**
0.4VA maximum @ 28V AC/DC

Complete explanation of operating range in Supplement section.

**01** Solder Lug

(5.0) .197
(2.0) .079
(1.8) .071
(1.0) .039
Thk = (0.2) .008    Com = (0.1) .005

### AT055 Crossover Guard

A partitioned plastic guard is supplied with each switch to provide insulation between terminals.

(12.4) Dia .488   (14.0) Dia .551
(17.0) .669

Installation steps:
1. Identify wire-to-terminal connections.
2. Thread wires through the guard.
3. Solder the connections.
4. Push the guard fully onto the switch body.
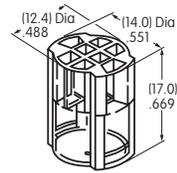
## BARRIER TYPE

**No Code**  No Barrier
Built-in bezel

**B**  With Barrier
Built-in barrier only available for Square and Rectangular

## LAMP COLORS & SPECIFICATIONS

The electrical specifications shown are determined at a basic temperature of 25°C.
LED circuit is isolated and requires external power source.  Polarity marks are on the bottom of the switch.
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.
Ambient Temperature Range for lamps below:  −25°C ~ +50°C.

### Incandescent & Neon Lamps

**AT611** Incandescent

**AT615** Neon

T-1 Bi-pin

| | | | **05** | **12** | **01** | |
|---|---|---|---|---|---|---|
| Voltage | V | | 5V AC | 12V AC | 110V AC | Recommended Resistors for Neon: 33K ohms for 110V AC; 100K ohms for 220V AC |
| Current | I | | 115mA | 60mA | 1.5mA | |
| Endurance | Hours | | 7,000 average | | 10,000 | |

**No Code**  No Lamp

### Bright LED with Resistor

**AT634**

LEDs are colored in OFF state.

T-1¼ Bi-pin

| | | Red | Amber | Green | **Resistor Codes** | | |
|---|---|---|---|---|---|---|---|
| Color Codes: | | **5C** | **5D** | **5F** | **05** | **12** | **24** |
| 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 | $\Delta I_F$ | | | | — | — | — |

AT634
5-volt
2-element
with 1 Resistor
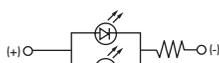
AT634
12-volt
4-element
with 2 Resistors
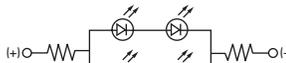
AT634
24-volt
4-element
with 2 Resistors

Toggles
Rockers
Pushbuttons
Illuminated PB **D**
Programmable
Keylocks
Rotaries
Slides
Tactiles
Tilt
Touch
Indicators
Accessories
Supplement
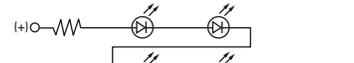
## LAMP COLORS & SPECIFICATIONS

### Bright LED without Resistor

**AT635**

LEDs are colored in OFF state.

$(+) \circ$ ▷│ $\circ (-)$

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 | $\Delta I_F$ | | | 0.42mA/°C | | | |
| Ambient Temperature Range | | | | −25° ~ +50°C | | | |

### Super Bright Single Element LED

**AT625G Blue**

**AT631B White**

**AT632F Green**

$(+) \circ$ ▷│ $\circ (-)$

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 | $\Delta I_F$ | 0.40mA/°C | 0.40mA/°C | 0.40mA/°C |
| Ambient Temperature Range | | | −25° ~ +50°C | |

## CAP TYPES & COLOR COMBINATIONS

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

### Solid Cap for Incandescent Lamp & Nonilluminated

**Lens/Filter Colors Available:**

**A** Nonilluminated Only; Square & Round Only

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

**AT485 Square**

(11.6) Sq .457
(4.5) .177
(6.2) .244

**AT486 Round**

(11.6) Dia .457
(4.5) .177
(6.2) .244

**AT4021 Rectangular**

(11.6) .457
(16.1) .634
(4.5) .177
(6.3) .248

Material: Polycarbonate   Finish: Glossy
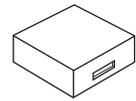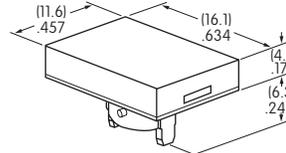
Translucent Colored Lens

Translucent Colored Filter

Lamp AT611

### Insert Cap for Incandescent or Neon Lamp & Nonilluminated

**Lens/Filter Colors Available:**

**JB**  **JF**
**JC**  **JG**
**JE**

JF and JG not suitable with neon lamp.

**AT487 Square**

(11.6) Sq .457
(4.5) .177
(6.2) .244

**AT488 Round**

(11.6) Dia .457
(4.5) .177
(6.2) .244

**AT4022 Rectangular**

(11.6) .457
(16.1) .634
(4.5) .177
(6.3) .248

Material: Polycarbonate   Finish: Glossy
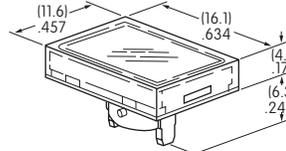
Transparent Clear Lens

Translucent Colored Filter

Lamp AT611   Lamp AT615

Toggles

Rockers

Pushbuttons

D  Illuminated PB

Programmable

Keylocks

Rotaries

Slides

Tactiles

Tilt

Touch

Indicators

Accessories

Supplement

## CAP TYPES & COLOR COMBINATIONS

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

### 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** |
|---|---|---|
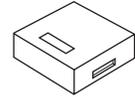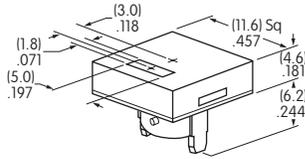


(3.0) .118
(1.8) .071
(5.0) .197
(11.6) Sq .457
(4.6) .181
(6.2) .244

Material: Polycarbonate     Finish: Matte



Bright LED AT635



Bright LED AT634

### 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 Square | AT4132 Round | AT4134 Rectangular |
|---|---|---|---|

Transparent Clear Lens

| JC | AT4158 | AT4160 | AT4159 |
|---|---|---|---|
| JD | | | |
| JF | | | |

Translucent Diffuser
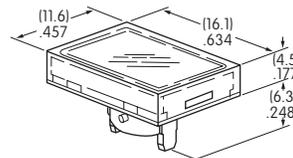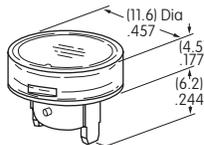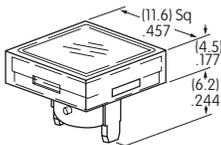


(11.6) Sq .457
(4.5) .177
(6.2) .244



(11.6) Dia .457
(4.5) .177
(6.2) .244



(11.6) .457
(16.1) .634
(4.5) .177
(6.3) .248

Material: Polycarbonate     Finish: Glossy



Bright LED AT635



Bright LED AT634

### Cap for Super Bright LED

**Lens/Diffuser Colors Available:**

| JB | AT4133 Square | AT4132 Round | AT4134 Rectangular |
|---|---|---|---|

Translucent Clear Lens



(11.6) Sq .457
(4.5) .177
(6.2) .244



(11.6) Dia .457
(4.5) .177
(6.2) .244



(11.6) .457
(16.1) .634
(4.5) .177
(6.3) .248
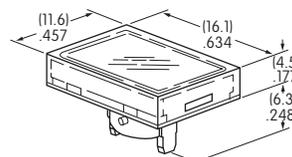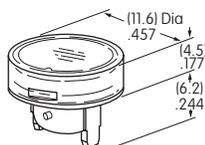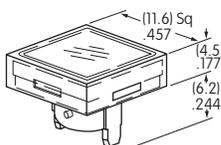
Translucent White Diffuser

Material: Polycarbonate     Finish: Glossy



Super Bright LEDs
AT625
AT631 AT632

Toggles

Rockers

Pushbuttons

Illuminated PB D

Programmable

Keylocks

Rotaries

Slides

Tactiles

Tilt

Touch

Indicators

Accessories

Supplement

## TYPICAL SWITCH DIMENSIONS

### Square • Bushing Mount          Single & Double Pole
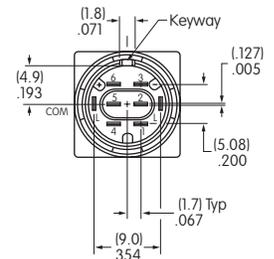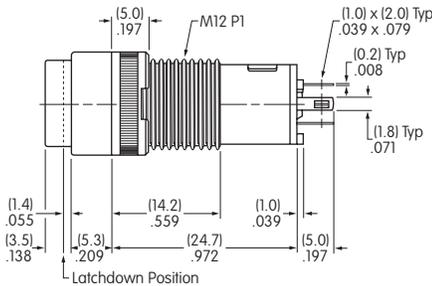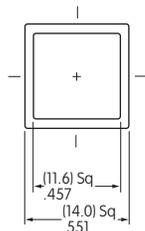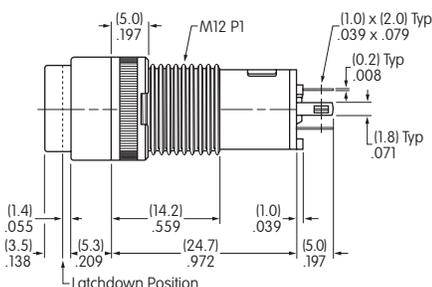
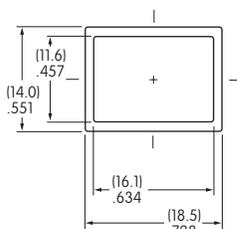

**KB15SKW01-05-GG**                    Single pole models do not have terminals 4, 5, & 6.

### Round • Bushing Mount          Single & Double Pole
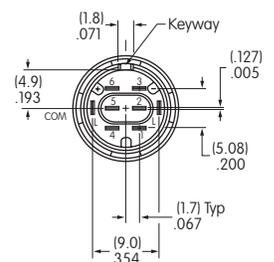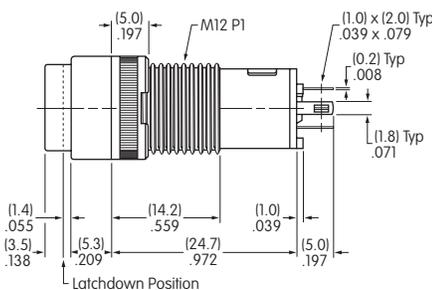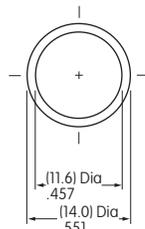


**KB25CKW01-05-GG**                    Single pole models do not have terminals 4, 5, & 6.

### Rectangular • Bushing Mount          Single & Double Pole



**KB15RKW01-05-GG**                    Single pole models do not have terminals 4, 5, & 6.

NKK SWITCHES

# Miniature Pushbuttons

# Series KB
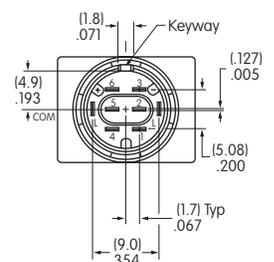
## TYPICAL SWITCH DIMENSIONS

**Single & Double Pole**     **Square • Snap-in Mount**
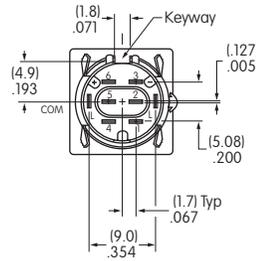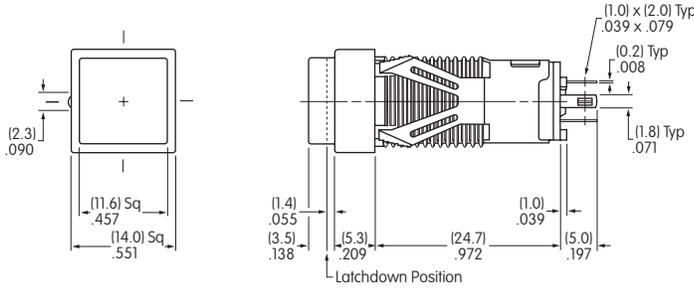


Single pole models do not have terminals 4, 5, & 6.    **KB16KKW01-05-CB**

**Single & Double Pole**     **Round • Snap-in Mount**
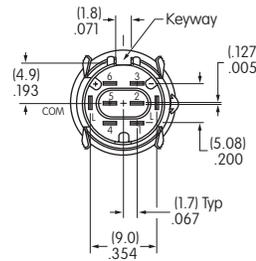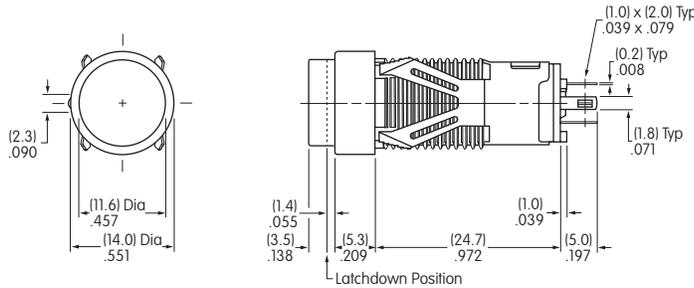


Single pole models do not have terminals 4, 5, & 6.    **KB26MKW01-05-CB**

**Single & Double Pole**     **Rectangular • Snap-in Mount**
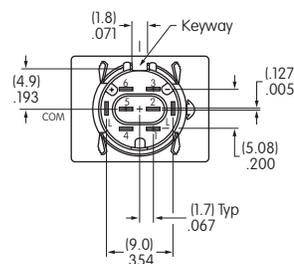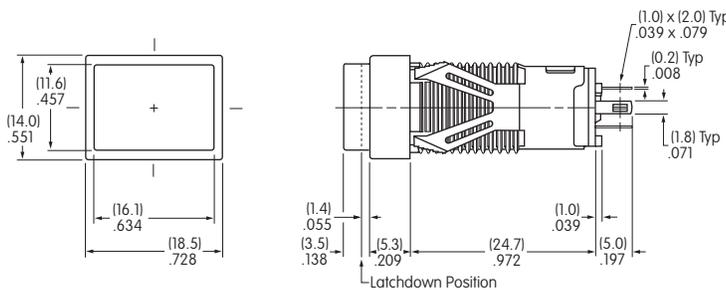


Single pole models do not have terminals 4, 5, & 6.    **KB16NKW01-05-CB**

**Toggles**

**Rockers**

**Pushbuttons**

**Illuminated PB** D

**Programmable**

**Keylocks**

**Rotaries**

**Slides**

**Tactiles**

**Tilt**

**Touch**

**Indicators**

**Accessories**

**Supplement**

## TYPICAL SWITCH DIMENSIONS

### Square • Barrier • Bushing Mount
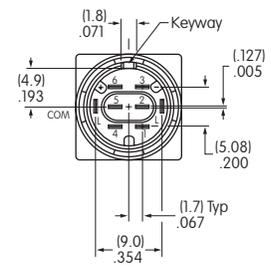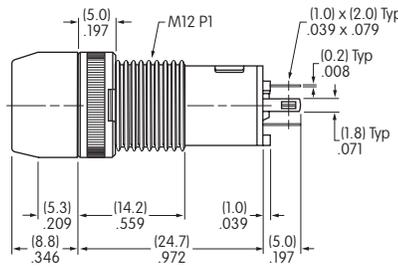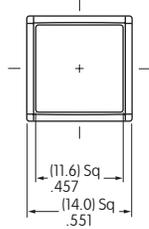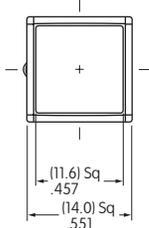
### Single & Double Pole



**KB15SKW01B-6G-JB**

Single pole models do not have terminals 4, 5, & 6.

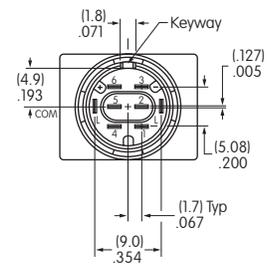### Square • Barrier • Snap-in Mount
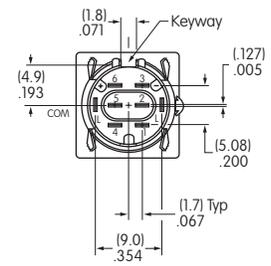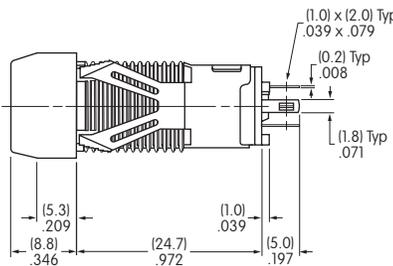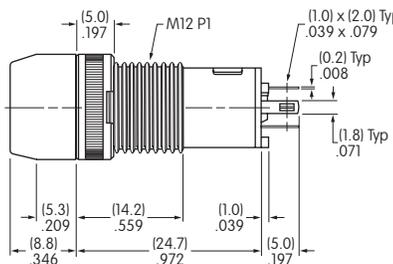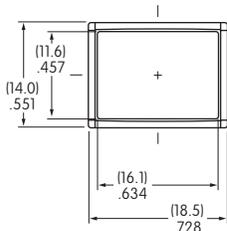
### Single & Double Pole



**KB15KKW01B-5C-JC**

Single pole models do not have terminals 4, 5, & 6.

### Rectangular • Barrier • Bushing Mount
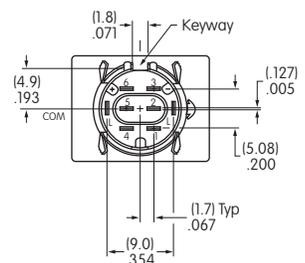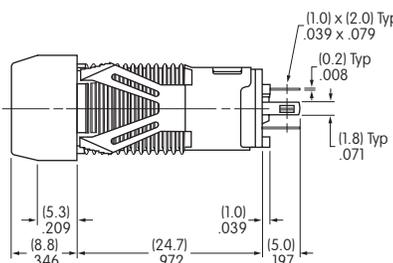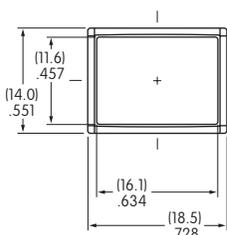
### Single & Double Pole



**KB15RKW01B-5F-JF**

Single pole models do not have terminals 4, 5, & 6.

### Rectangular • Barrier • Snap-in Mount

### Single & Double Pole



**KB15NKW01B-5D-JD**

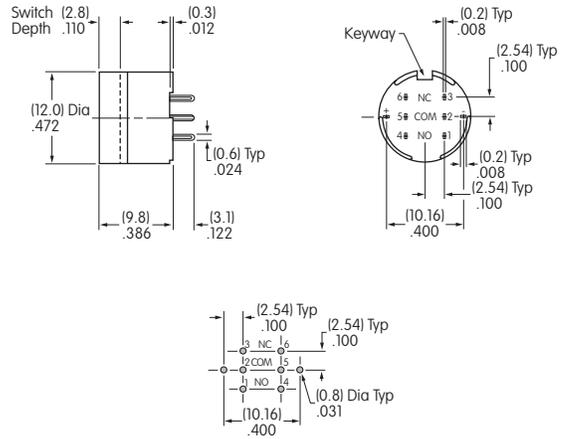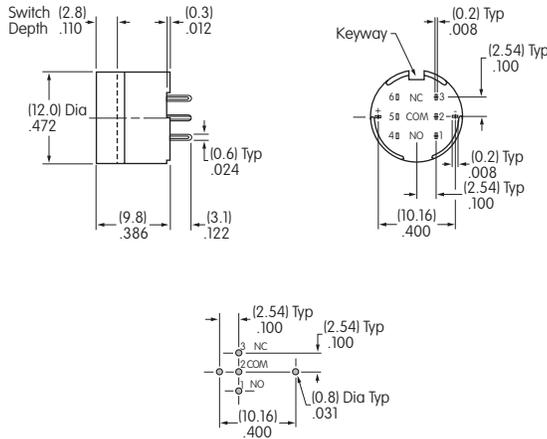Single pole models do not have terminals 4, 5, & 6.

**NKK SWITCHES**

# Miniature Pushbuttons

# Series KB

Toggles

Rockers

Pushbuttons

D Illuminated PB

Programmable

Keylocks

Rotaries

Slides

Tactiles

Tilt

Touch

Indicators

Accessories

Supplement

## OPTIONAL ACCESSORIES

### PCB Adaptors

**AT701**
**Single Pole**
**Straight PC**
**Terminals**



**AT702**
**Double Pole**
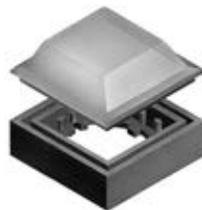**Straight PC**
**Terminals**



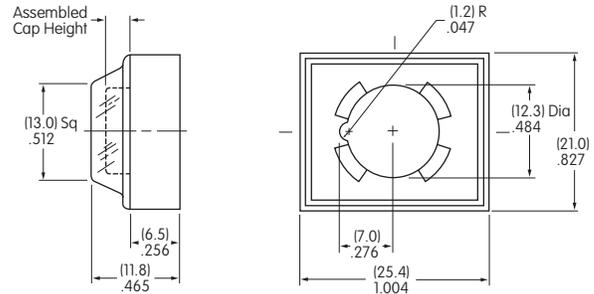Material: Glass fiber reinforced polyamide    Note: Order adaptors separately

### Dust Covers
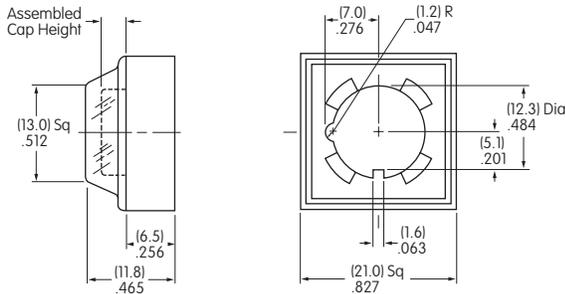
Panel Thickness Range: .020 ~ .268" (0.5 ~ 6.8mm) for Bushing Mounting; .020 ~ .079" (0.5 ~ 2.0mm) for Snap-in Mounting
Dust Covers reduce the depth of switch behind panel by .047" (1.2mm).

**AT495**
**For Square & Round**
(not for Barrier type)



**AT4025**
**For Rectangular**
(not for Barrier type)



Material:    Lid: PVC    PVC loses pliability below 0°C (32°F).    Base: Polyamide

Toggles

Rockers

Pushbuttons

**D** Illuminated PB

Programmable

Keylocks

Rotaries

Slides

Tactiles

Tilt

Touch

Indicators

Accessories

Supplement

## OPTIONAL ACCESSORIES

### Protective Guards

**AT494**
**For Square & Round**
(not for Barrier type)

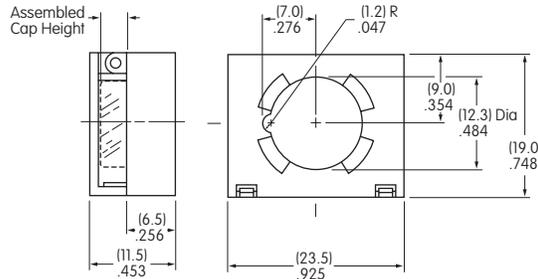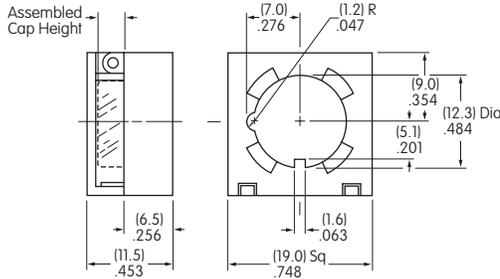**AT4024**
**For Rectangular**
(not for Barrier type)

Panel Thickness
Range:

.020" ~ .268"
(0.5 ~ 6.8mm)
for Bushing Mounting

.020" ~ .091"
(0.5 ~ 2.3mm)
for Snap-in Mounting

Protective Guards reduce
the depth of switch
behind panel by
.047" (1.2mm).

Assembled
Cap Height

(7.0)
.276

(1.2) R
.047

(9.0)
.354

(12.3) Dia
.484

(5.1)
.201

(6.5)
.256

(1.6)
.063

(11.5)
.453

(19.0) Sq
.748

Assembled
Cap Height

(7.0)
.276

(1.2) R
.047

(9.0)
.354

(12.3) Dia
.484

(19.0)
.748

(6.5)
.256

(11.5)
.453

(23.5)
.925

Material: Cover: Polycarbonate    Base: Polyamide

## ASSEMBLY INSTRUCTIONS

### Cap Removal & Installation

For alternate action models
cap must be in UP position
for cap removal. Indentations
on opposite sides of the cap
provide an easy way to lift
the cap out of the holder,
using either the finger nails,
or cap extractor AT109.
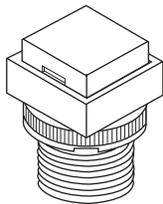
### LED Polarity & Orientation in Lamp Socket

Super Bright LEDs AT625,
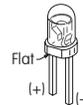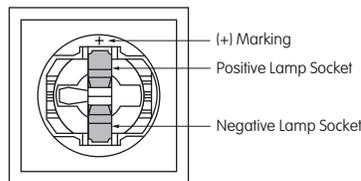AT631, & AT632 are
electrostatic sensitive.

**ATTENTION**
ELECTROSTATIC
SENSITIVE DEVICES

LED
AT635

Flat
(-) (+)

LED
AT634

Flat
(-) (+)

LEDs
AT625
AT631
AT632

Flat
(+) (-)

Top
View of
Switch

(+) Marking
Positive Lamp Socket
Negative Lamp Socket

### Cap Replacement

Note that the cap has a pair of
round tabs and a pair of long tabs
which should be used for correctly
replacing the cap in its holder.
Using the long tabs as guides, slide
the cap with the long tabs moving
into the slots on opposite sides of
the cap holder. Then, the round
tabs will snap into notches on the
other two sides of the holder.

Indentation
Long Tab
Notch

Cap
Round Tab
Slot
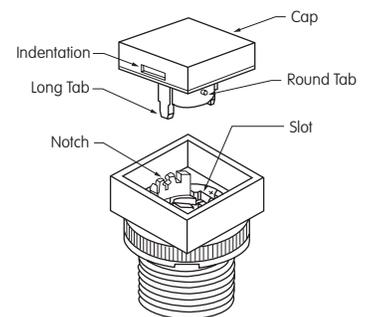
### AT108 Socket Wrench
for Bushing Mounting

Overtightening the
mounting nut
may damage the
switch housing.

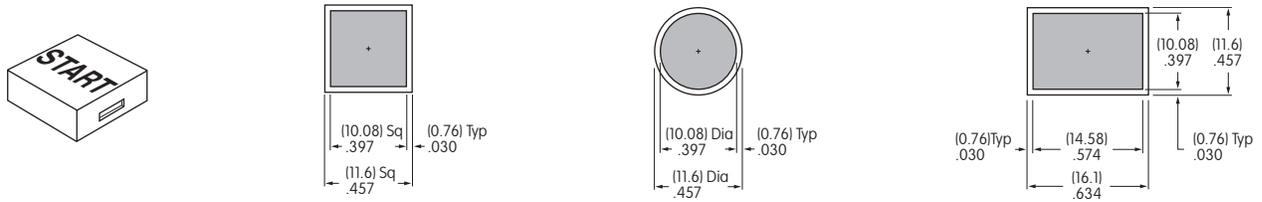### AT109 Cap Extractor

### AT111 Lamping Tool

## LEGENDS

NKK Switches can provide custom legends for caps.  Contact factory for more information.

### Suggested Printable Area for KB Lens

**Recommended Methods:**  Screen Print or Pad Print on Lens.
Epoxy based ink is recommended.



(10.08) Sq
.397

(0.76) Typ
.030

(11.6) Sq
.457

(10.08) Dia
.397

(0.76) Typ
.030

(11.6) Dia
.457

(10.08)
.397

(11.6)
.457

(0.76)Typ
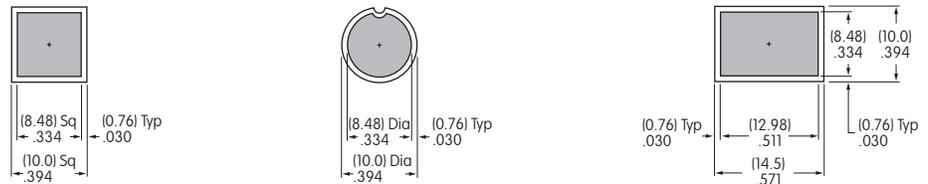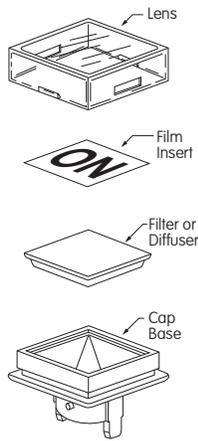.030

(14.58)
.574

(0.76) Typ
.030

(16.1)
.634

Shaded areas are printable areas.

### Suggested Printable Area for Film Insert

**Recommended Print Method:**  Laser Print

Film Insert:  Clear Polyester, 4 mil max. thickness

Lens

Film Insert

Filter or Diffuser

Cap Base

(8.48) Sq
.334

(0.76) Typ
.030

(10.0) Sq
.394

(8.48) Dia
.334

(0.76) Typ
.030

(10.0) Dia
.394

(8.48)
.334

(10.0)
.394

(0.76) Typ
.030

(12.98)
.511

(0.76) Typ
.030

(14.5)
.571

Shaded areas are printable areas.

Toggles

Rockers

Pushbuttons

D

Illuminated PB

Programmable

Keylocks

Rotaries

Slides

Tactiles

Tilt

Touch

Indicators

Accessories

Supplement

# Mouser Electronics

Authorized Distributor

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

[NKK Switches](#):

KB15RKW01-12-FF   KB15RKW01-12-BB   KB15RKW01-12-EB   KB15RKW01-12-CC   KB15MKW01-05-JF
KB16RKW01-12-CC   KB16RKW01-12-EB   KB16RKW01-12-BB   KB15MKW01-6G-JB   KB16CKW01-5F12-JF
KB16SKW01-5F12-JF   KB15SKW01-5C05-JC   KB16MKW01-05-CB   KB15SKW01-12-EB   KB16CKW01-6G-JB
KB15CKW01-12-EB   KB15KKW01-5F-JF   KB15KKW01-5F-JB   KB25CKW01-05-FB   KB16KKW01-5C-JC
KB16SKW01-12-EB   KB16SKW01-12-BB   KB16SKW01-12-GB   KB16SKW01-12-CB   KB02KW01-5F24-JF
KB26RKW01-12-GG   KB26RKW01-12-CC   KB25KKW01-5F-JF   KB25KKW01-5F-JB   KB16MKW01-5C12-JC
KB16KKW01-5D-JD   KB15MKW01-05-JG   KB16SKW01-5C-JB   KB16SKW01-5C-JC   KB26RKW01-6G-JB
KB16SKW01-05-CB   KB15MKW01-5F-JF   KB15MKW01-5F-JB   KB26SKW01-05-EB   KB26CKW01-5C-JB
KB26CKW01-5C-JC   KB25SKW01-12-EB   KB25SKW01-12-BB   KB25SKW01-12-GB   KB15RKW01-12-CB
KB25SKW01-05-GB   KB15RKW01-12-GB   KB15CKW01-28-FF   KB15CKW01-5F-JF   KB15SKW01-5D-JB
KB15CKW01-5F-JB   KB15MKW01-28-CC   KB15CKW01-05-CB   KB15CKW01-05-EB   KB15CKW01-05-BB
KB15CKW01-05-FB   KB16SKW01-5D-JB   KB16SKW01-5D-JD   KB16CKW01-5F-JB   KB16CKW01-5F-JF
KB16CKW01-12-FB   KB16CKW01-12-BB   KB16CKW01-12-CB   KB15RKW01-05-JC   KB15CKW01-5C05-JC
KB25MKW01-5F-JF   KB26KKW01-5F-JF   KB15KKW01-5D-JD   KB15CKG01-5C-JC   KB15CKG01-5C-JB   KB15SKW01-5C-JB   KB26SKW01-5C-JB   KB26SKW01-5C-JC   KB26SKW01-6G-JB   KB16CKW01-05-BB   KB26MKW01-12-CB
KB16KKW01-5F-JF   KB15MKW01-12-BB   KB15SKW01-5F24-JF   KB25CKW01-5C-JC   KB15CKW01-01-JC
KB25CKW01-5C-JB   KB15CKW01-12-FB   KB15CKW01-12-BB   KB15CKW01-12-CB   KB15SKW01-01-JC
KB15KKW01-5C-JB   KB16MKW01-5C-JB   KB15MKG01-5D05-JD   KB15SKW01-05-CB   KB15SKW01-05-EB
KB26CKW01-5F-JF   KB26CKW01-5F-JB   KB26SKW01-5D-JD   KB16MKW01-5F-JB   KB26SKW01-12-BB
KB15CKW01-5C-JB   KB16MKW01-5D-JB   KB16CKW01-6F-JB   KB16KKW01-12-GB