HB Indicators
Complement to HB Pushbuttons

TYPICAL INDICATOR ORDERING EXAMPLE

HB **01** **K** **W01** — **5C** — **CB**

Shapes
01	Square
02	Round

Housing
K	Black

Terminals
W01	Silver Solder Lug*

* Wire harness & cable assemblies offered only in Americas

LEDs

Bright

5C	Red
5D	Amber
5F	Green

Super Bright

6B	White
6F	Green
6G	Blue

Cap Types & Colors

LED Cap: Lens/Diffuser Color

CB	Red/White
DB	Amber/White
FB	Green/White
JB	Clear/White

LED Cap: Lens/Diffuser Color

JB	Clear/White

DESCRIPTION FOR TYPICAL ORDERING EXAMPLE
HB01KW01-5C-CB

- Square Shape
- Black Housing
- Red Lens and White Diffuser with Red, Bright LED
- Silver Solder Lug Terminals

HB-01

LED COLORS & SPECIFICATIONS

The electrical specifications shown are determined at a basic temperature of 25°C.
LED circuit is isolated and requires external power source. Single element LED is colored in OFF state.
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.

Bright AT633

Super Bright
AT624G Blue
AT629B White
AT630F Green

T-1 Bi-pin

Note for Super Bright:

ATTENTION ELECTROSTATIC SENSITIVE DEVICES

$(+) \circ \!-\!\!\!\bowtie\!\!\!-\! \circ (-)$

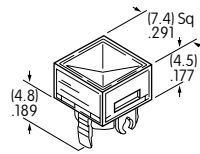|			Bright			Super Bright			
			5C	**5D**	**5F**	**6B**	**6F**	**6G**	
	Color		Red	Amber	Green	White	Green	Blue	Unit
Forward Peak Current		I_{FM}	30	30	25	30	30	30	mA
Continuous Forward Current		I_F	20	20	20	20	20	20	mA
Forward Voltage		V_F	1.85	2.0	2.2	3.6	3.5	3.6	V
Reverse Peak Voltage		V_{RM}	5	5	5	5	5	5	V
Current Reduction Rate Above 25°C		ΔI_F	0.40	0.42	0.38	0.50	0.50	0.50	mA/°C
Ambient Temperature Range			−25° ~ +50°C			−25° ~ +50°C			

nKK SWITCHES

CAP TYPES & COLORS

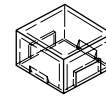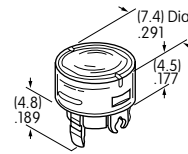### Colored Cap for Bright LEDs

Lens/Diffuser Colors Available:

CB Red/White

DB Amber/White

FB Green/White

AT4168 Square

AT4169 Round

Transparent Colored Lens

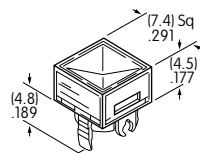Translucent White Diffuser

Colored LED AT633

Material: Polycarbonate   Finish: Glossy

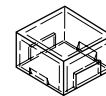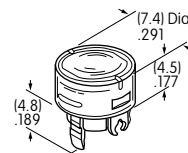### White Cap for Bright & Super Bright LEDs

JB Clear Lens/ White Diffuser

Material: Polycarbonate
Finish: Glossy
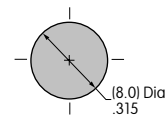
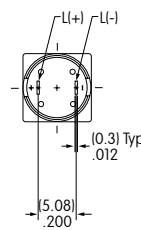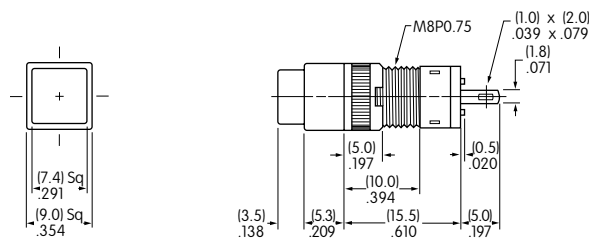**AT4033** Square

AT4034 Round

Transparent Clear Lens

Translucent White Diffuser

Colored LEDs AT624, AT629, AT630, or AT633

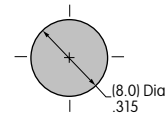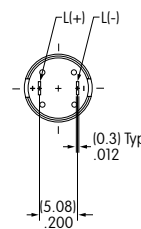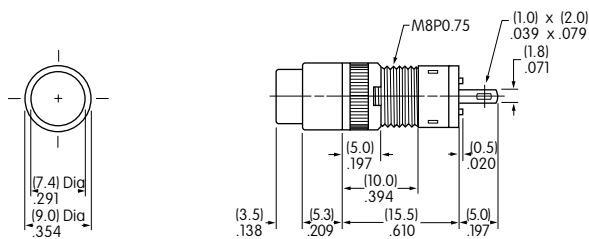## TYPICAL INDICATOR DIMENSIONS

Square

Recommended Panel Thickness: .020" ~ .197" (0.5 ~ 5.0mm)

HB01KW01-5C-CB

Round

Recommended Panel Thickness: .020" ~ .197" (0.5 ~ 5.0mm)

HB02KW01-5C-CB

Sidebar: Toggles, Rockers, Pushbuttons, Illuminated PB, Programmable, Keylocks, Rotaries, Slides, Tactiles, Tilt, Touch, Indicators, Accessories, Supplement

NKK SWITCHES