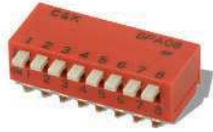


# C&K BPA Series Side Actuated DIP Switches



## Features/Benefits

- Side actuated contacts
- Available in thru-hole or SMT models
- High pressure contact system does not require tape seal

## Typical Applications

- Address switch for industrial controls
- Logic switching for computers and peripherals
- Function controlling for numerous applications

## How To Order

Complete part numbers for BPA Series are shown on pages H-11 thru H-12. All switches supplied in "OFF" position.

## Specifications

SWITCH FUNCTION: 2 thru 10 position available (except 3 position).  
 CONTACT RATING: 100 mA max. @ 5 V DC or 25 mA max. @ 24 V DC.  
 MECHANICAL AND ELECTRICAL LIFE: 1,000 cycles min. @ 5 V DC 10mA.  
 CONTACT RESISTANCE: 50 milliohms initial max.  
 INSULATION RESISTANCE: 100 V DC 100 megohms min.  
 DIELECTRIC WITHSTAND VOLTAGE: 300 V AC for 1 minute.  
 STORAGE TEMPERATURE: -40°C to 85°C.  
 OPERATING TEMPERATURE: -20°C to 85°C.  
 OPERATING FORCE: 800 grams max.  
 SOLDERABILITY: Flow solderable and washable (soldering: 235°C ± 5°C for 5 sec.)

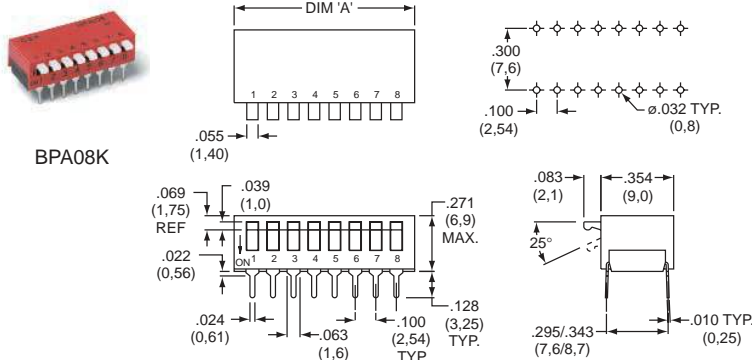
PACKAGING: Switches supplied in rigid dispensing tubes in full-tube quantities only, this may affect order quantity. Numbers of switches per tube varies with model. Tape and reel packaging only available for 4, 8 & 9 positions.

## Materials

HOUSING: PBT (thru-hole) color: Black. PPA (SMT) color: Red (all UL94V-0).  
 COVER: PBT (thru-hole) color: Red. PPA (SMT) color: Red (all UL94V-0).  
 ACTUATOR: PBT (thru-hole): PA-6T (SMT) (UL94V-0).  
 CONTACTS: Beryllium copper with gold plate.  
 TERMINALS: Brass/Tin-lead plated.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

## Side Actuator – Thru-hole Terminals



| PART NUMBER | NO. POS. | DIM. 'A'      | QUANTITY PER TUBE |
|-------------|----------|---------------|-------------------|
| BPA02K      | 2        | .280 (7,11)   | 60                |
| BPA04K      | 4        | .480 (12,19)  | 35                |
| BPA05K      | 5        | .578 (14,68)  | 30                |
| BPA06K      | 6        | .680 (17,30)  | 25                |
| BPA07K      | 7        | .778 (19,76)  | 20                |
| BPA08K      | 8        | .878 (22,30)  | 20                |
| BPA09K      | 9        | .978 (24,84)  | 15                |
| BPA10K      | 10       | 1.078 (27,43) | 15                |

|           |  |
|-----------|--|
| Schematic |  |
| SPST      |  |

NOTE: Reverse throw available, add "R" to part number for "on" in "up" position. (example: BPA08RK)

# C&K BPA Series Side Actuated DIP Switches



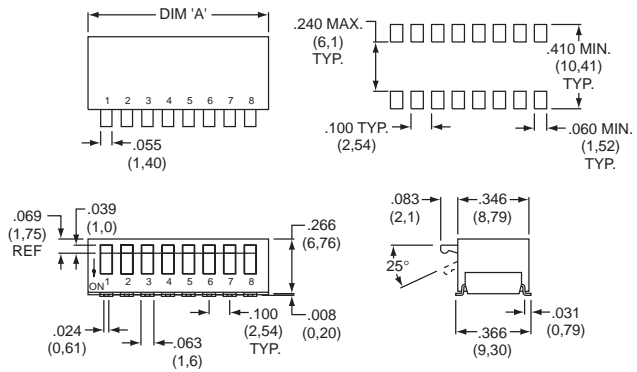
## Side Actuator – Surface Mount Terminals

| PART NUMBER    | NO. POS. | DIM. 'A'      | QUANTITY PER TUBE |
|----------------|----------|---------------|-------------------|
| <b>BPA02SK</b> | 2        | .280 (7,11)   | 60                |
| <b>BPA04SK</b> | 4        | .480 (12,19)  | 35                |
| <b>BPA05SK</b> | 5        | .578 (14,68)  | 30                |
| <b>BPA06SK</b> | 6        | .680 (17,30)  | 25                |
| <b>BPA07SK</b> | 7        | .778 (19,76)  | 20                |
| <b>BPA08SK</b> | 8        | .878 (22,30)  | 20                |
| <b>BPA09SK</b> | 9        | .978 (24,84)  | 15                |
| <b>BPA10SK</b> | 10       | 1.078 (27,43) | 15                |

Schematic

SPST

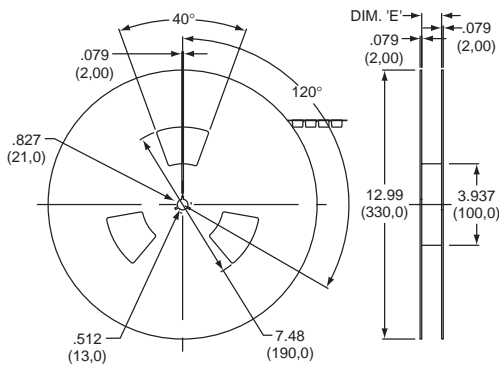


**NOTE:** Reverse throw available, add "R" to part number for "on" in "up" position. (example: BPA08RSK)

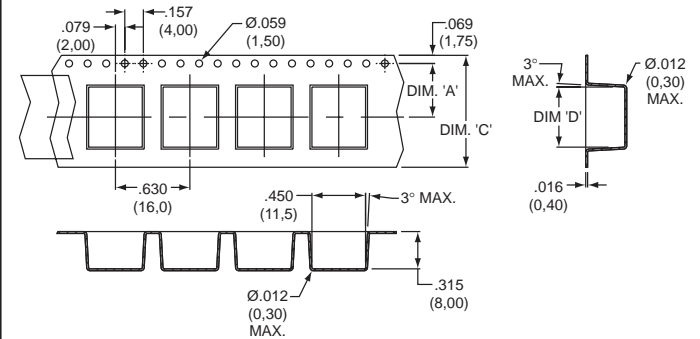
## Tape & Reel Packaging - Surface Mount Options Only 4, 8 & 9 Positions Only

| POLES | DIM. 'A'    | DIM. 'B'     | DIM. 'C'     | DIM. 'D'     | DIM. 'E'     |
|-------|-------------|--------------|--------------|--------------|--------------|
| 4     | .453 (11,5) | —            | .945 (24,0)  | .508 (12,9)  | .961 (24,4)  |
| 8     | .795 (20,2) | 1.590 (40,4) | 1.732 (44,0) | .894 (22,7)  | 1.748 (44,4) |
| 9     | .795 (20,2) | 1.590 (40,4) | 1.732 (44,0) | 1.004 (25,5) | 1.748 (44,4) |

Note: For tape and reel packaging, add 'R' to end of part number.



### 4 Position



### 8 & 9 Position

