

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 for washing
- RoHS compliant & compatible

Typical Applications

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



Specifications

SWITCH FUNCTION: 1 thru 10 position available.
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: 260°C for 10 sec. max.)

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 available for SMT options.

Materials

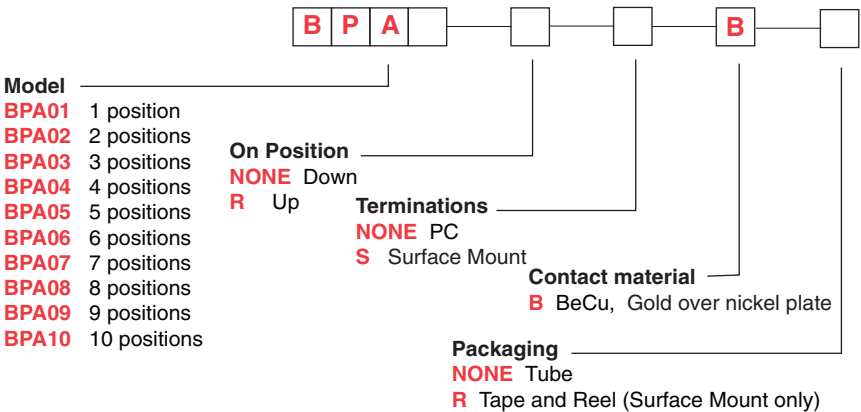
HOUSING: PPS, color black (UL94V-0).
COVER: PPS, color black (UL94V-0).
ACTUATOR: PA-6T UL94V-0).
CONTACTS: Beryllium Copper with Gold over Nickel plate.
TERMINALS: Brass, Gold over Nickel plate.

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

How To Order

Our easy Build-A Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box.

All switches supplied in "OFF" position.



Third Angle
Projection

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

www.ck-components.com

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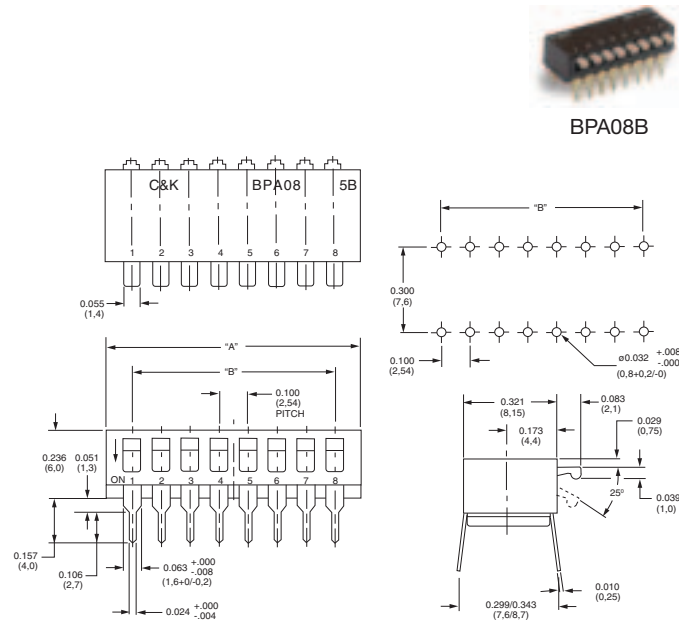
Side Actuator – Thru-hole Terminals

ROHS PART NUMBER	NO. POS.	DIM. 'A'	DIM. 'B'	QUANTITY PER TUBE
BPA01B	1	.176 (4,48)	N/A	100
BPA02B	2	.276 (7,0)	.100 (2,54)	60
BPA03B	3	.376 (9,6)	.200 (5,08)	45
BPA04B	4	.476 (12,1)	.300 (7,62)	35
BPA05B	5	.575 (14,6)	.400 (10,16)	30
BPA06B	6	.677 (17,2)	.500 (12,70)	25
BPA07B	7	.776 (19,7)	.600 (15,24)	20
BPA08B	8	.878 (22,3)	.700 (17,78)	20
BPA09B	9	.976 (24,8)	.800 (20,32)	15
BPA10B	10	1.075 (27,3)	.900 (22,56)	15

Schematic

SPST

NOTE: Reverse throw available, contact C&K for P/N and quote.



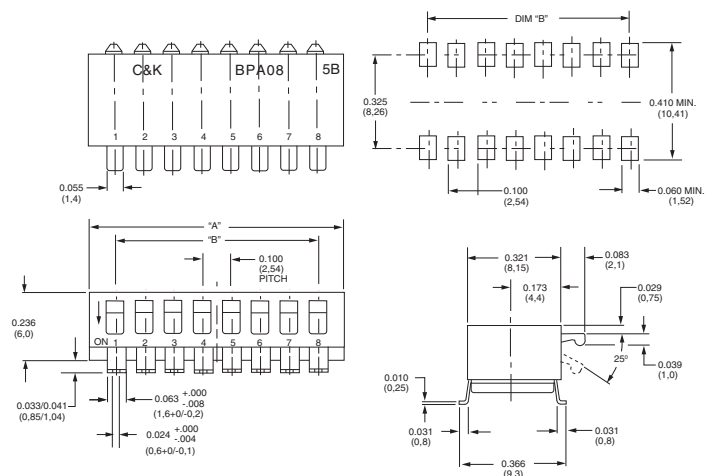
Side Actuator – Surface Mount Terminals

ROHS PART NUMBER	NO. POS.	DIM. 'A'	DIM. 'B'	QUANTITY PER TUBE
BPA01SB	1	.176 (4,48)	N/A	100
BPA02SB	2	.276 (7,0)	.100 (2,54)	60
BPA03SB	3	.376 (9,6)	.200 (5,08)	45
BPA04SB	4	.476 (12,1)	.300 (7,62)	35
BPA05SB	5	.575 (14,6)	.400 (10,16)	30
BPA06SB	6	.677 (17,2)	.500 (12,70)	25
BPA07SB	7	.776 (19,7)	.600 (15,24)	20
BPA08SB	8	.878 (22,3)	.700 (17,78)	20
BPA09SB	9	.976 (24,8)	.800 (20,32)	15
BPA10SB	10	1.075 (27,3)	.900 (22,56)	15

Schematic

SPST

NOTE: Tape and reel packaging available by adding "R" to end of project number.



Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change



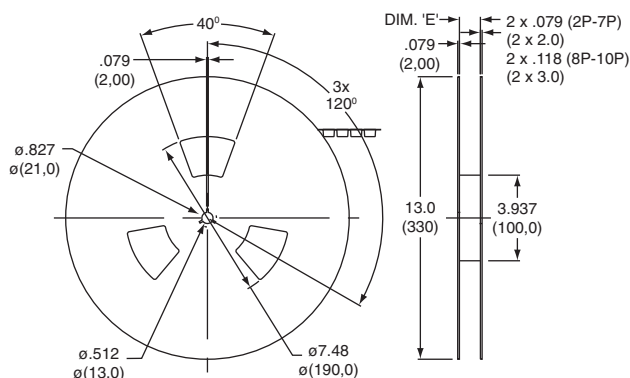
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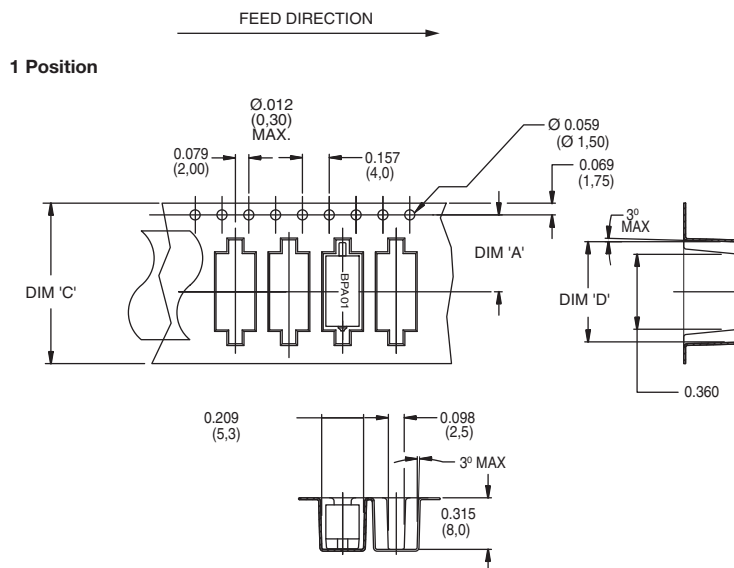
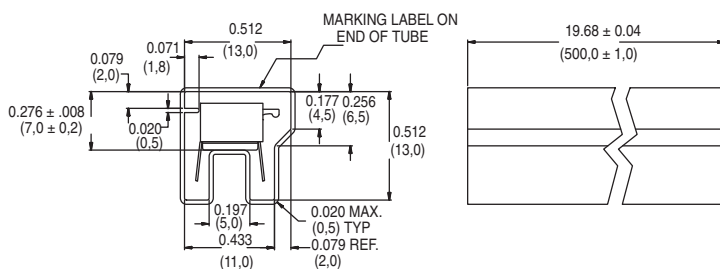
Tape & Reel Packaging – Surface Mount Options Only

QTY/ REEL	POLES	DIM. 'A'	DIM. 'B'	DIM. 'C'	DIM. 'D'	DIM. 'E'
1000	1	.453 (11,5)	—	.945 (24,0)	.530 (13,45)	.960 (24,4)
500	2	.453 (11,5)	—	.945 (24,0)	.311 (7,9)	.960 (24,4)
500	3	.453 (11,5)	—	.945 (24,0)	.409 (10,4)	.960 (24,4)
500	4	.453 (11,5)	—	.945 (24,0)	.508 (12,9)	.960 (24,4)
500	5	.453 (11,5)	—	.945 (24,0)	.606 (15,4)	.960 (24,4)
500	6	.559 (14,2)	1.118 (28,4)	1.260 (32,0)	.709 (18,0)	1.275 (32,4)
500	7	.559 (14,2)	1.118 (28,4)	1.260 (32,0)	.807 (20,5)	1.275 (32,4)
500	8	.795 (20,2)	1.590 (40,4)	1.732 (44,0)	.894 (22,7)	1.748 (44,4)
500	9	.795 (20,2)	1.590 (40,4)	1.732 (44,0)	1.004 (25,5)	1.748 (44,4)
500	10	.795 (20,2)	1.590 (40,4)	1.732 (44,0)	1.106 (28,1)	1.748 (44,4)

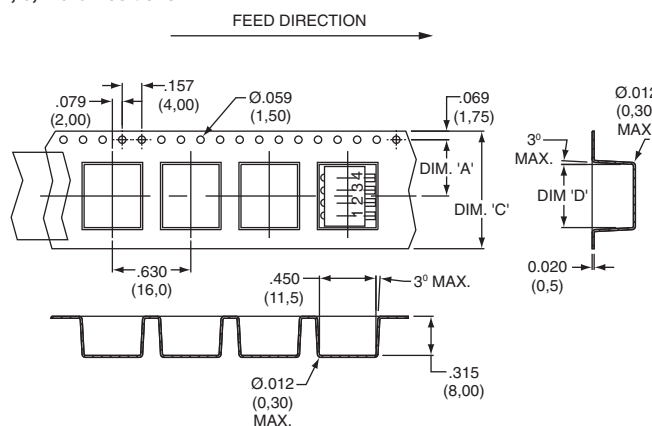
Note: For tape and reel packaging, add 'R' to end of part number.



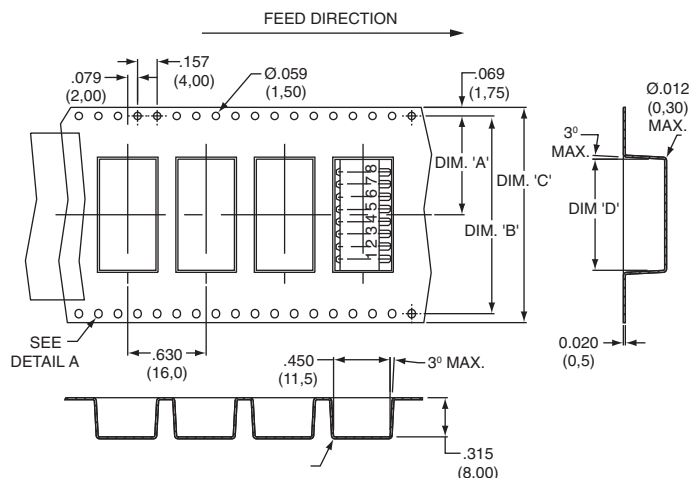
Tube Packaging



2, 3, 4 & 5 Positions



6, 7, 8, 9 & 10 Positions



Third Angle
Projection

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