

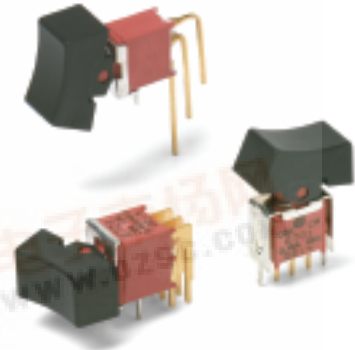
C&K ET Series Sealed Subminiature Rocker Switches

Features/Benefits

- Sealed against solder and cleaning process contaminants
- Rocker, bushing & case—UL 94V-0
- Small footprint—saves space
- RoHS compliant

Typical Applications

- Telecommunications
- Instrumentation
- Computers & peripherals



Models Available

Specifications

CONTACT RATING: B contact material: 0.4 VA max. @ 20 V AC or DC max. Q contact material: Copper alloy, silver plated. See page H-44 for additional ratings.

ELECTRICAL LIFE: ETX1 models: 60,000 make-and-break cycles at full load. All other models: 30,000 cycles.

CONTACT RESISTANCE: Below 20 m Ω typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: 10⁹ Ω min.

DIELECTRIC STRENGTH: 1000 Vrms min. @ sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

PACKAGING: Surface mount switches standard in tape and reel packaging, see page H-46 for drawings and reel information.

Materials

CASE & BUSHING: Glass filled nylon 6/6, flame retardant, heat stabilized (UL 94V-0). SA and SA1 surface mount: High temperature material, glass filled 46 nylon, flame retardant, heat stabilized (UL 94V-0).

ACTUATOR: Nylon, black standard. Internal o-ring seal standard with all actuators. SA surface mount: High temperature material, glass filled 46 nylon, flame retardant, heat stabilized (UL 94V-0).

SWITCH SUPPORT: Brass, matte-tin plated.

CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page H-44 for additional contact materials.

TERMINAL SEAL: Epoxy.

NOTE: Any models supplied with Q, B, G, S, P & R contact material are RoHS compliant. For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

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

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages H-41 thru H-46. For additional options not shown in catalog, consult Customer Service Center. All models are process sealed to withstand machine soldering temperatures and pressure wash cleaning methods.

Switch Function

- ET01 SP On-None-On
- ET02 SP Off-None-On
- ET03 SP On-Off-On
- ET05 SP Mom.-Off-Mom.
- ET07 SP On-Off-Mom.
- ET08 SP On-None-Mom.
- ET21 DP On-None-On
- ET27 DP On-Off-Mom.
- ET28 DP On-None-Mom.

Actuator

- J1 Rocker
- J6 Rocker

Terminations

- A Right angle, PC thru-hole
- AV Vertical Right angle, PC thru-hole
- C PC Thru-hole
- V3 V-bracket
- AV2 Vertical Right angle, PC thru-hole
- SA Surface mount
- SA1 Right Angle Surface mount

Contact Material

- B Gold
- K Gold, tin-lead
- P Gold, matte tin
- Q Silver
- M Silver, tin-lead
- S Silver, matte-tin
- G Gold over silver
- L Gold over silver, tin-lead
- R Gold over silver, matte-tin

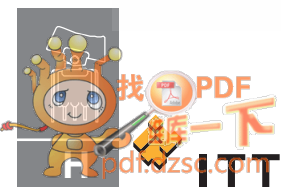
Seal

- E Epoxy

Actuator Color

- 2 Black
- 1 White
- 3 Red

Rocker



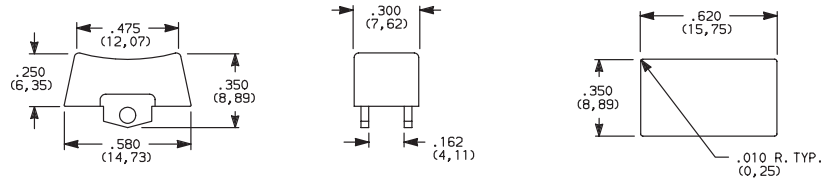
All models with all options when ordered with G, L, M, S & R or Q contact material.

C&K ET Series

Sealed Subminiature Rocker Switches

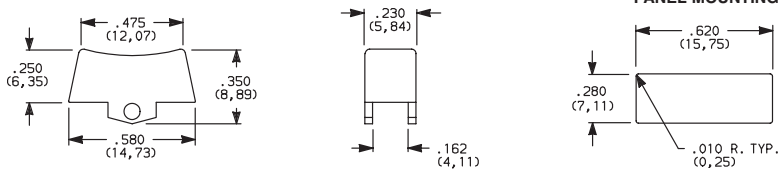
ACTUATOR

J1 ROCKER



Available with all models except ET0X with A & SA & SA1 terminations.

J6 ROCKER



Standard with ET0X model with A & SA & SA1 terminations.

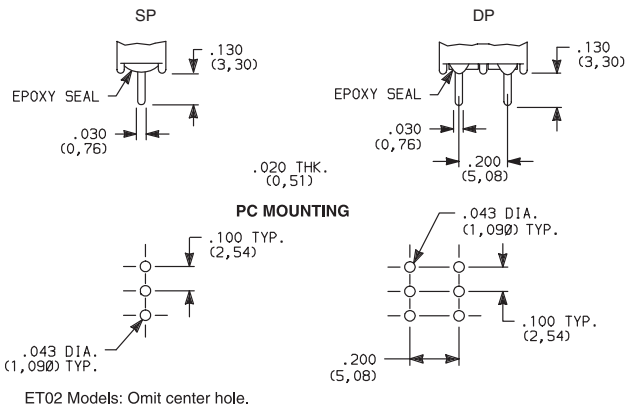
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

Actuators available separately, see page H-45. Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

NOTE: Internal o-ring actuator seal standard.

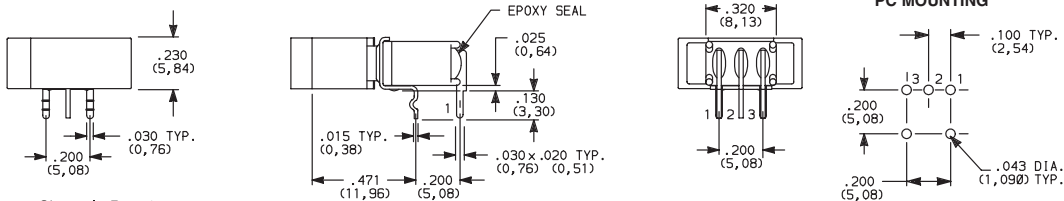
TERMINATIONS

C PC THRU-HOLE



SP & DP

A RIGHT ANGLE, PC THRU-HOLE



Actuator Shown In Pos. 1

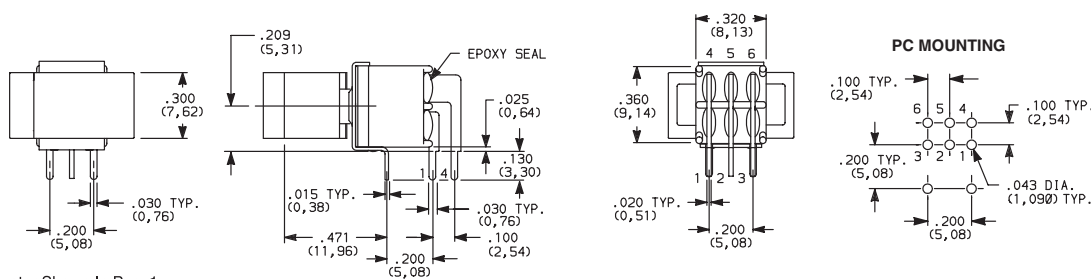
Not available with ET02 model.
J6 actuator std. only on ET0X models with A terminations.



ET01J6ABE2

Horizontal Actuation
SPDT

A RIGHT ANGLE, PC THRU-HOLE



Actuator Shown In Pos. 1



ET21J1ABE2

Horizontal Actuation
DPDT

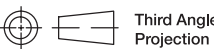
Rocker



H



ITT



Third Angle
Projection

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

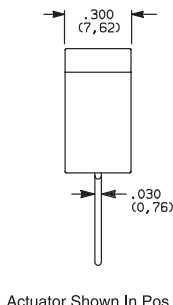
C&K ET Series Sealed Subminiature Rocker Switches

TERMINATIONS

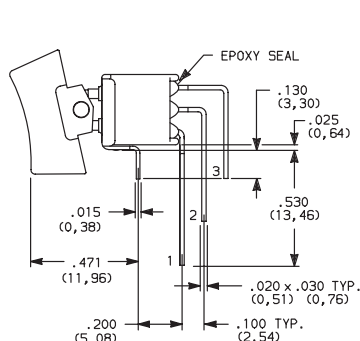
AV VERTICAL RIGHT ANGLE, PC THRU-HOLE



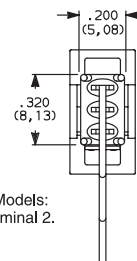
ET01J1AVBE2
Vertical Actuation
SPDT



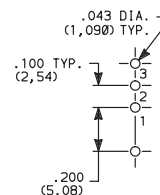
Actuator Shown In Pos. 1



ET02 Models:
Omit terminal 2.



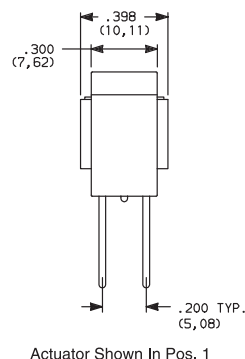
PC MOUNTING



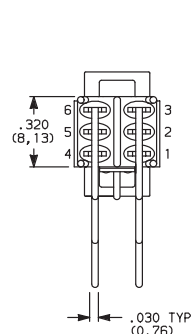
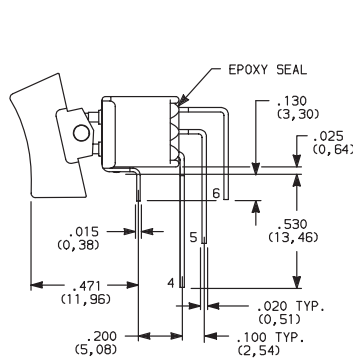
AV VERTICAL RIGHT ANGLE, PC THRU-HOLE



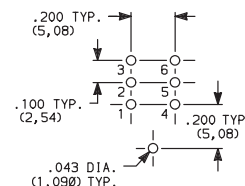
ET21J1AVBE2
Vertical Actuation
DPDT



Actuator Shown In Pos. 1

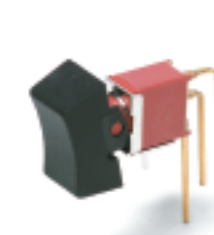


PC MOUNTING

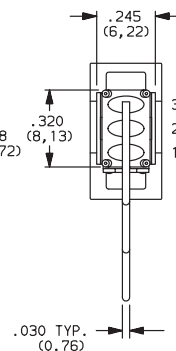
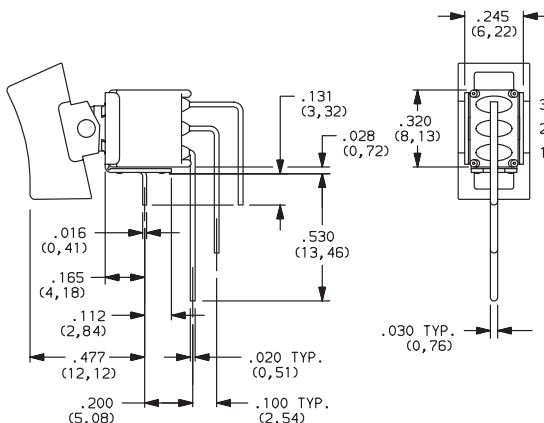
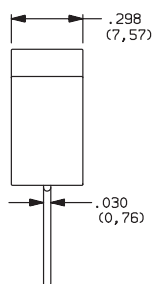


NOTE: Terminal bend radii and lead-in manufacturing option.

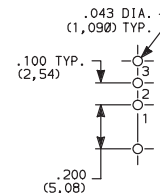
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE



ET01J1AV2BE2
Vertical Actuation
SPDT



PC MOUNTING

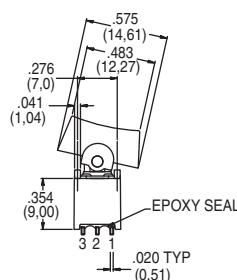


SA1 SURFACE MOUNT

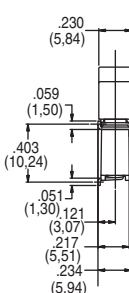
NOTE: Available in B contact material only.

Available in J6 actuator black only.

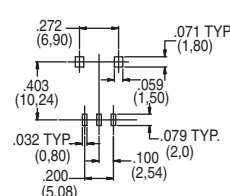
Not available in ET02.



ACTUATOR SHOWN POS. 1



PC MOUNTING



SMT



ETA01J6SA1BE2
Horizontal Actuation
SPDT

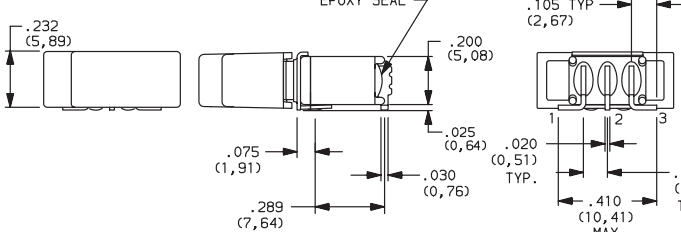
NOTE: Standard with tape & reel packaging, see page H-45.

C&K ET Series

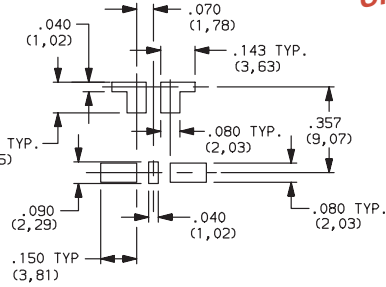
Sealed Subminiature Rocker Switches

TERMINATIONS

SA SURFACE MOUNT



PANEL MOUNTING



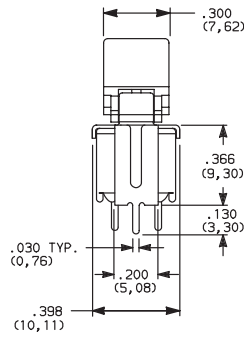
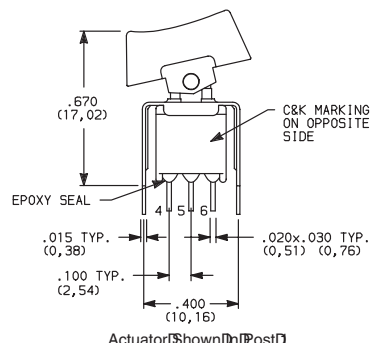
SMT



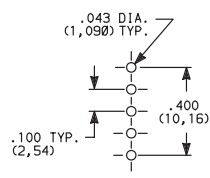
ET01J6SAKE2
Horizontal Actuation
SPDT

NOTE: Standard with tape & reel packaging, see page H-44.
Available with K contact material only.

V3 VERTICAL MOUNT, V-BRACKET

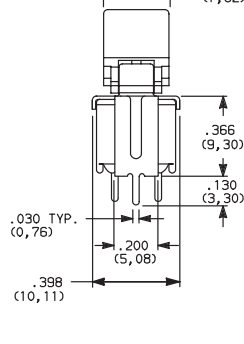
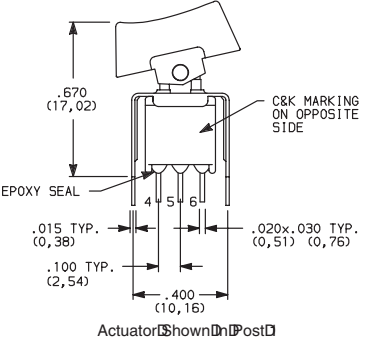


PC MOUNTING

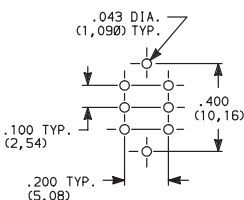


ET01J1V3BE2
SPDT

V3 VERTICAL MOUNT, V-BRACKET



PC MOUNTING



ET21J1V3BE2
DPDT

Actuator Shown In Post

CONTACT MATERIAL

OPTION CODE	RoHS COMPLIANT *	RoHS COMPATIBLE *	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B	YES	YES	GOLD ¹	GOLD ¹	LOW LEVEL/ DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
K	NO	YES		TIN-LEAD ⁶		
P	YES	YES		MATTE-TIN ⁷		
Q	YES	YES	SILVER ^{4,5}	SILVER ⁵	POWER	ETX1 MODELS: 3 AMPS @ 120 V AC OR 28 V DC. ALL OTHER MODELS: 2 AMPS @ 120 V AC OR 28 V DC.
M	NO	YES		TIN-LEAD ⁶		
S	YES	YES		MATTE-TIN ⁷		
G	YES	YES	GOLD OVER SILVER ^{2,3}	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	ETX1 MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 3 AMPS @ 120 V AC OR 28 V DC. ALL OTHER MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 2 AMPS @ 120 V AC OR 28 V DC.
L	NO	YES		TIN-LEAD ⁶		
R	YES	YES		MATTE-TIN ⁷		

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

¹ CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.

² END CONTACTS: Coin silver, with gold plate over nickel plate.

³ CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

⁴ END CONTACTS: Coin silver, silver plated.

⁵ CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.

⁶ TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.

⁷ TERMINALS: Copper alloy, with matte-tin over nickel plate.

NOTE: Any models supplied with Q, B, G, S, P & R contact material are RoHS compliant.
For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

All models with all options when ordered with G, L, M, Q, S & R contact material.



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

Rocker



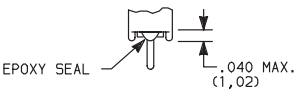
H



C&K ET Series Sealed Subminiature Rocker Switches

SEAL 

E EPOXY SEAL



AVAILABLE HARDWARE

J1 Actuator



J6 Actuator



PART NO.

261A01000 WHITE
261A02263 BLACK
261A03000 RED

Material: Nylon
Finish: Matte

NOT AVAILABLE WITH A, SA, SA1

PART NO.

260A01000 WHITE
260A02263 BLACK
260A03000 RED

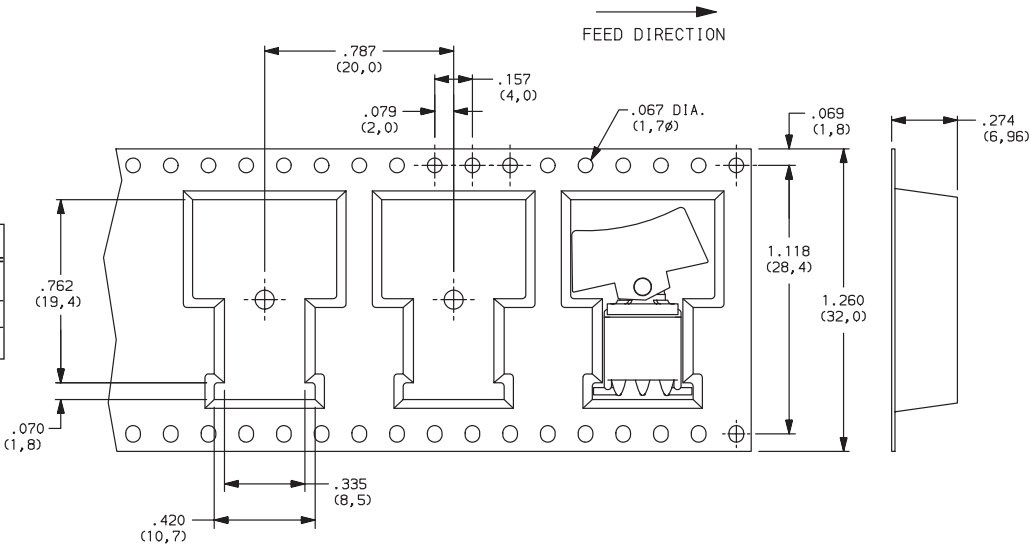
Material: Nylon
Finish: Matte
For Hi Temp, Consult Factory

NOTE: Other colors available,
consult Customer Service Center.

TAPE & REEL SA TERMINATION

ET01J6SAKE (SHOWN)

REEL INFORMATION	
OUTSIDE DIAMETER	13.00 (330,0)
PILOT HOLE	.512 (13,0)
QUANTITY PER REEL	500



C&K ET Series Sealed Subminiature Rocker Switches

TAPE & REEL SA TERMINATION

ET01J6SA1BE (SHOWN)

REEL INFORMATION	
OUTSIDE DIAMETER	13.00 (330,0)
PILOT HOLE	.795 (20,20)
QUANTITY PER REEL	450

