

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

Typical Applications

- Telecommunications
- Instrumentation
- Computers & peripherals



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 G-43 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 mΩ 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 G-44 for drawings and reel information.

Materials

CASE & BUSHING: Glass filled nylon 6/6, flame retardant, heat stabilized (UL 94V-0). SA 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, tin plated.

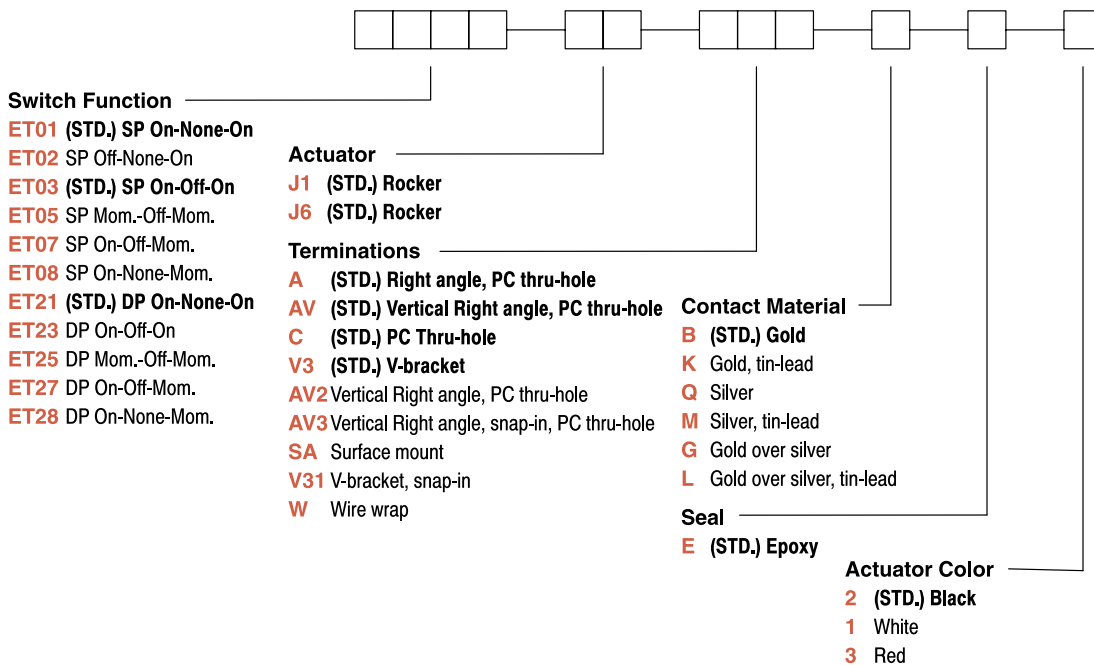
CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page G-43 for additional contact materials.

TERMINAL SEAL: Epoxy.

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 G-40 thru G-44. 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.



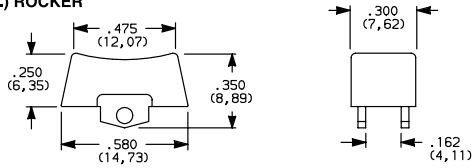
Rocker



C&K ET Series Sealed Subminiature Rocker Switches

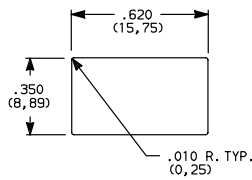
ACTUATOR

J1 (STD.) ROCKER



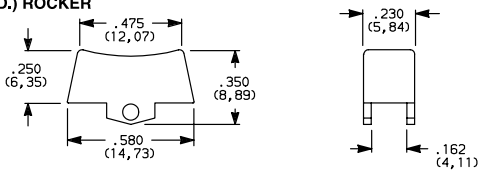
Available with all models except ET0X with A & SA terminations.

PANEL MOUNTING



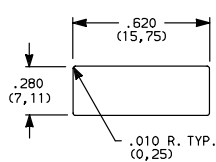
OPTION CODE	ACTUATOR COLOR
2	(STD.) BLACK
1	WHITE
3	RED

J6 (STD.) ROCKER



Standard with ET0X model with A & SA terminations.

PANEL MOUNTING

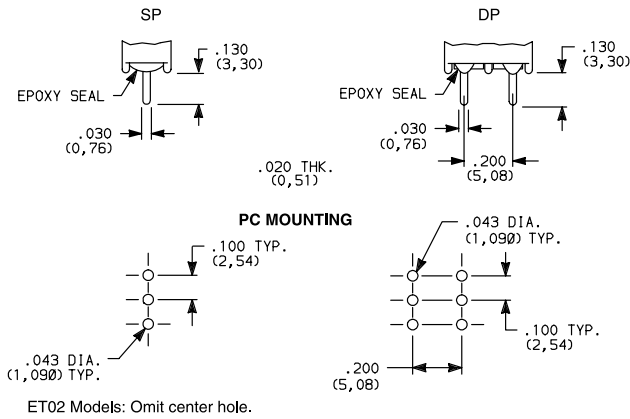


Actuators available separately, see page G-44. Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

NOTE: Internal o-ring actuator seal standard.

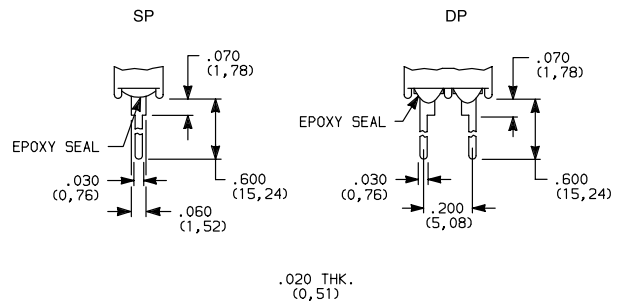
TERMINATIONS

C (STD.) PC THRU-HOLE



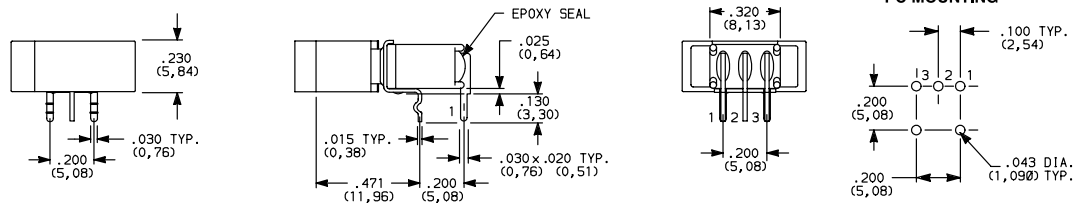
SP & DP

W WIRE WRAP



SP & DP

A (STD.) RIGHT ANGLE, PC THRU-HOLE



Actuator Shown In Pos. 1

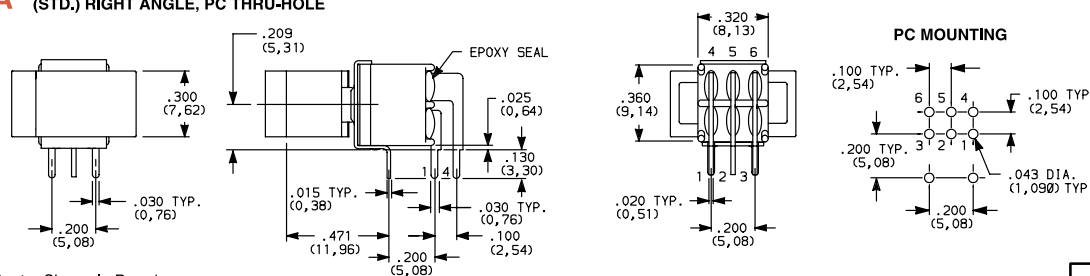
Not available with ET02 model.
J6 actuator std. only on ET0X models with A terminations.

PC MOUNTING



ET01J6ABE2
Horizontal Actuation
SPDT

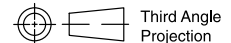
A (STD.) RIGHT ANGLE, PC THRU-HOLE



Actuator Shown In Pos. 1



ET21J1ABE2
Horizontal Actuation
DPDT



Rocker



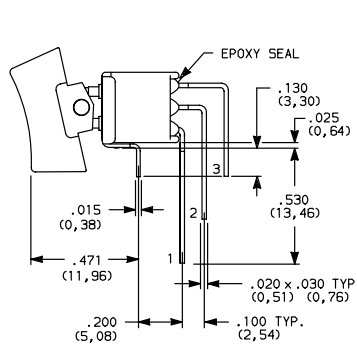
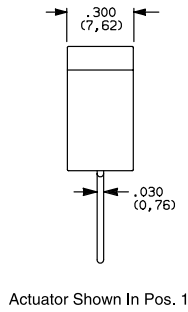
C&K ET Series Sealed Subminiature Rocker Switches

TERMINATIONS

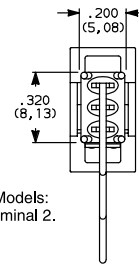
AV (STD.) VERTICAL RIGHT ANGLE, PC THRU-HOLE



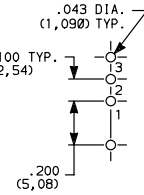
ET01J1AVBE2
Vertical Actuation
SPDT



ET02 Models:
Omit terminal 2.



PC MOUNTING

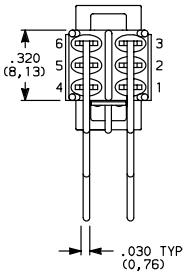
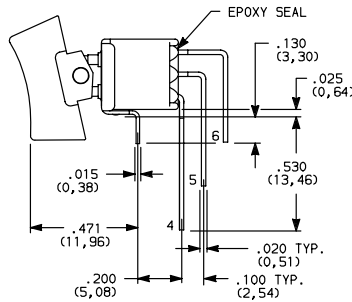
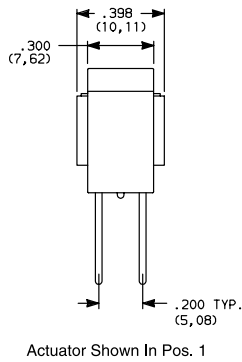


NOTE: Terminal bend radii and lead-in manufacturing option.

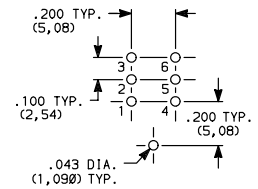
AV (STD.) VERTICAL RIGHT ANGLE, PC THRU-HOLE



ET21J1AVBE2
Vertical Actuation
DPDT

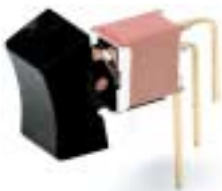


PC MOUNTING

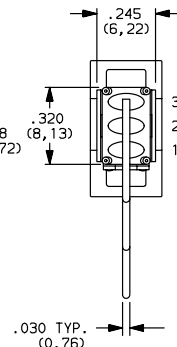
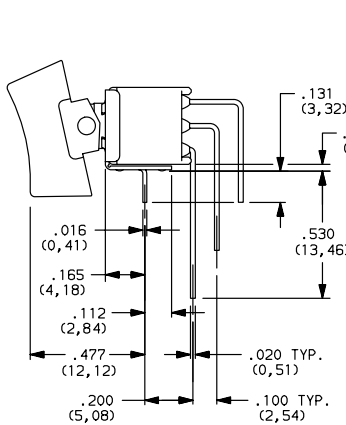
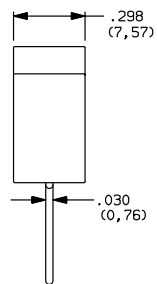


NOTE: Terminal bend radii and lead-in manufacturing option.

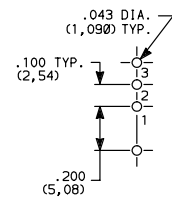
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE



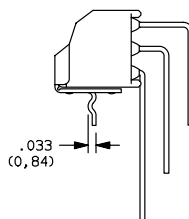
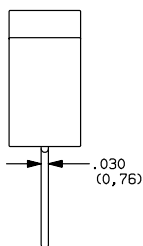
ET01J1AV2BE2
Vertical Actuation
SPDT



PC MOUNTING



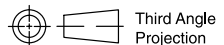
AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE



Rocker



G



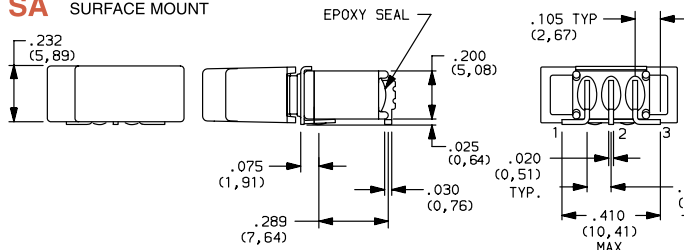
Third Angle
Projection

Dimensions are shown: IN (mm)
Dimensions subject to change

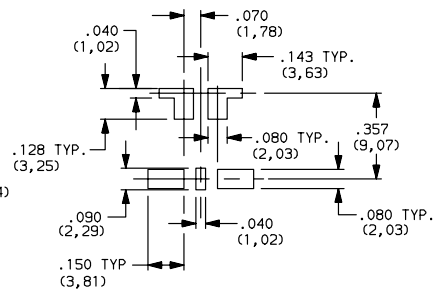
C&K ET Series Sealed Subminiature Rocker Switches

TERMINATIONS

SA SURFACE MOUNT



PANEL MOUNTING



SMT

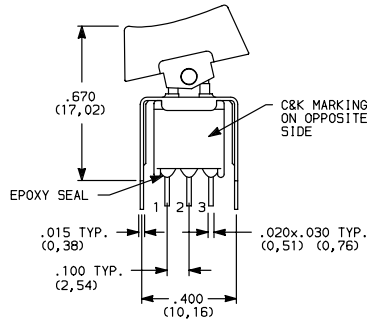


ET01J6SAKE2
Horizontal Actuation
SPDT

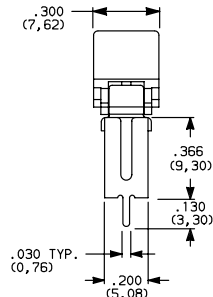
NOTE: Standard with tape & reel packaging, see page G-44.
Available with K contact material only.

V3 (STD.) VERTICAL MOUNT, V-BRACKET

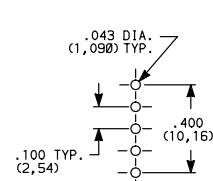
V31 VERTICAL MOUNT, V-BRACKET, SNAP-IN



Actuator Shown In Pos. 1

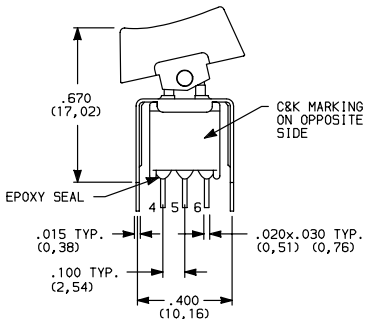


PC MOUNTING

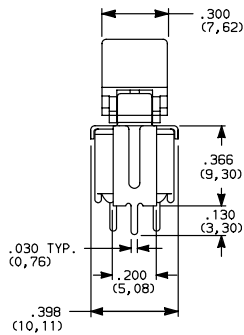


ET01J1V3BE2
SPDT

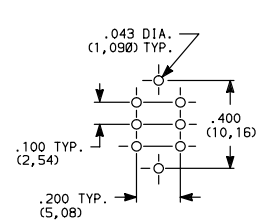
V3 (STD.) VERTICAL MOUNT, V-BRACKET



Actuator Shown In Pos. 1



PC MOUNTING



ET21J1V3BE2
DPDT

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B (STD.)	GOLD ¹	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
K		TIN-LEAD ⁶		
Q	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		TIN-LEAD ⁶		
G	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		TIN-LEAD ⁶		

CONTACT MATERIAL/APPLICATION RECOMMENDATIONS—SEE SECTION N.

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

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

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.

Rocker

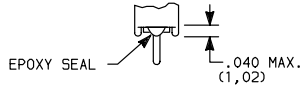


Third Angle Projection

C&K ET Series Sealed Subminiature Rocker Switches

SEAL

E (STD.) EPOXY SEAL



AVAILABLE HARDWARE

J1 Actuator



J6 Actuator



PART NO.

261A01000 WHITE
261A02263 BLACK
261A03000 RED

Material: Nylon
 Finish: Matte

PART NO.

260A01000 WHITE
260A02263 BLACK
260A03000 RED

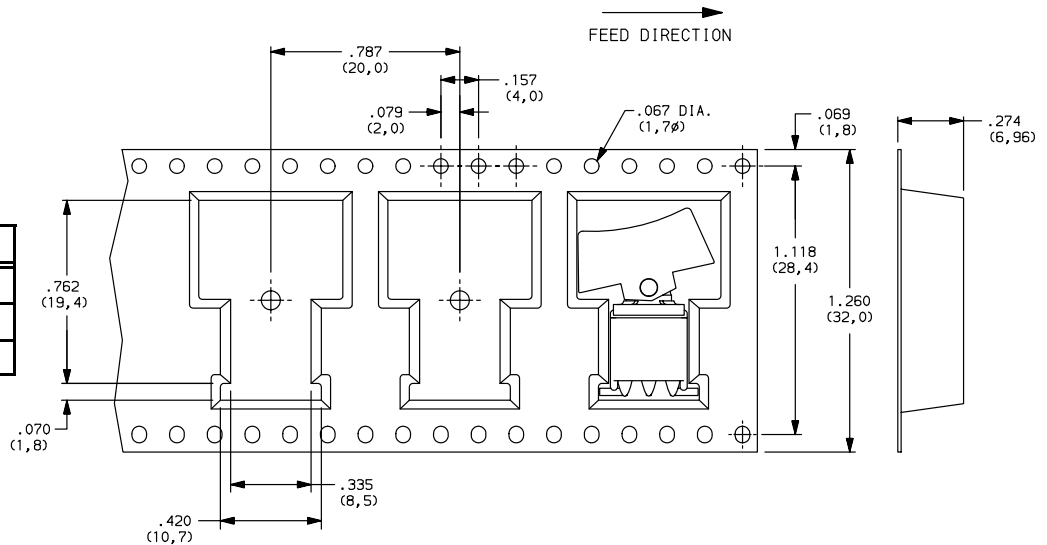
Material: Nylon
 Finish: Matte
 For Hi Temp, Consult Factory

NOTE: Other colors available,
 consult Customer Service Center.

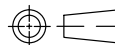
TAPE & REEL

For part number ET01J6SAKE

REEL INFORMATION	
OUTSIDE DIAMETER	13.00 (330,0)
PILOT HOLE	.512 (13,0)
QUANTITY PER REEL	600



Rocker

 Third Angle
 Projection

Dimensions are shown: IN (mm)
 Dimensions subject to change