

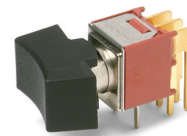
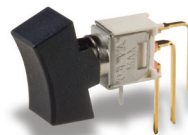
T Series Subminiature Rocker Switches

Features/Benefits

- **Compact size—small footprint**
- **Single and double pole models**
- **PC and panel mounting options available**
- **RoHS compliant**

Typical Applications

- **Telecommunications**
- **Instrumentation**
- **Medical Equipment**



Models Available

Specifications

CONTACT RATING: Q contact material (TX01 models): 3 AMPS @ 120 V AC or 28 V DC. All other models: 2 AMPS @ 120 V AC or 28 V DC. See page G-49 for additional ratings.

ELECTRICAL LIFE: TX01 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).

NOTE: Any models supplied with B, G, P, Q or R contact material are RoHS compliant.

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

Materials

CASE: Glass filled nylon 6/6, flame retardant, heat stabilized or diallyl phthalate (DAP), (UL 94V-0) or glass filled nylon 4/6, flame retardant, heat stabilized.

ACTUATOR: Nylon, black standard.

BUSHING: Brass, nickel plated.

HOUSING: Stainless steel.

SWITCH SUPPORT: Brass, matte-tin plated.

MOUNTING BRACKET: Stainless steel.

END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See page G-49 for additional contact materials.

CENTER CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page G-49 for additional contact materials.

TERMINAL SEAL: Epoxy.

HARDWARE: Nut, Screws & Lockwasher: Stainless steel.
Standoff: Nylon standard.

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-46 through G-50. For additional options not shown in catalog, consult Customer Service Center. All models have epoxy terminal seal and are compatible with all “bottom-wash” PCB cleaning methods.

Switch Function T101 SP On-None-On T102 SP Off-None-On T103 SP On-Off-On T105 SP Mom.-Off-Mom. T107 SP On-Off-Mom. T201 DP On-None-On T205 DP Mom.-Off-Mom.	Actuator J1 Rocker, .300" wide J6 Rocker, .230" wide Terminations A Right angle, PC thru-hole AV Vertical Right angle, PC thru-hole Z Solder lug V3 V-bracket	Contact Material B Gold P Gold, matte-tin Q Silver G Gold over silver R Gold over silver, matte-tin Seal E Epoxy	Actuator Color 2 Black
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SWITCH FUNCTION **ACTUATOR COLOR**

SPDT



Terminal Nos.
For Reference Only

DPDT



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

G

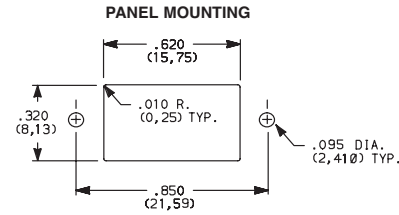
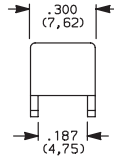
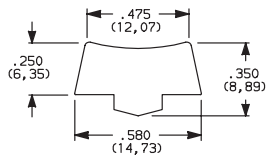


T Series Subminiature Rocker Switches

ACTUATOR

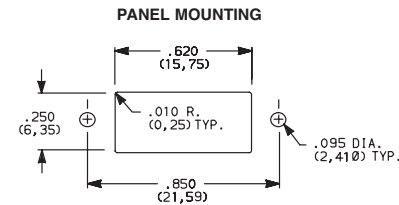
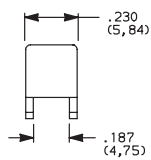
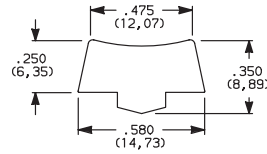


J1 ROCKER, .300 WIDE



Standard with all models except T10X with A terminations.

J6 ROCKER, .230 WIDE



Standard with T10X model with A terminations.

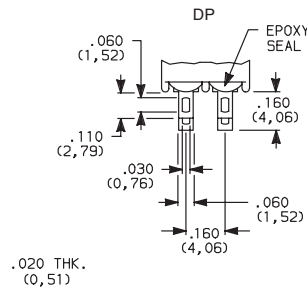
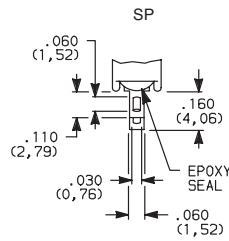
OPTION CODE	ACTUATOR COLOR
2	BLACK

Actuators available separately, see page G 50. Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

TERMINATIONS



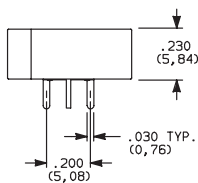
Z SOLDER LUG



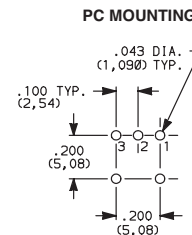
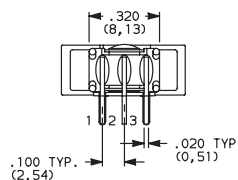
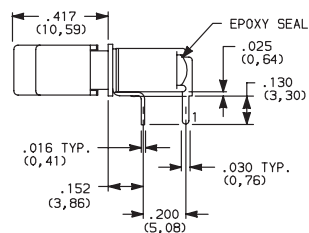
SP and DP

Not available with P or R contact material.

A RIGHT ANGLE, PC THRU-HOLE



Actuator Shown In Pos. 1



T101J6ABE2
Horizontal Actuation
SPDT

Not available with T102 model. J6 actuator standard only on T10X models with A terminations.



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

www.ckswitches.com

Rocker



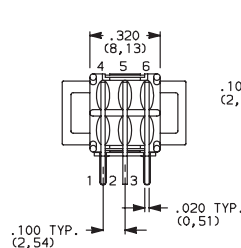
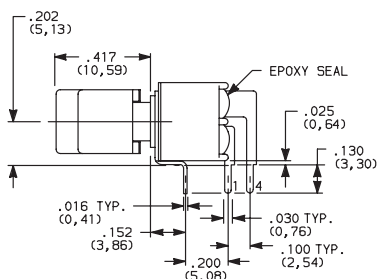
G

C&K

TERMINATIONS

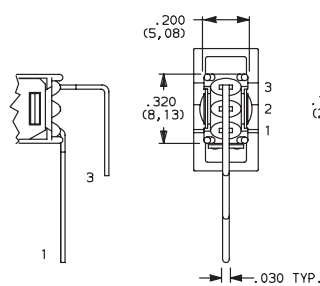
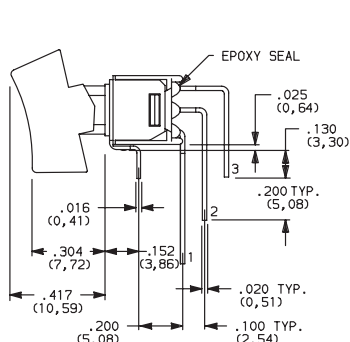


Actuator Shown In Pos. 1



A diagram of a rectangular sign with a width dimension of .300 (7, 62). The sign is shown with a vertical post at the bottom. The width dimension is indicated by a horizontal line with arrows at both ends, labeled ".300 (7, 62)".

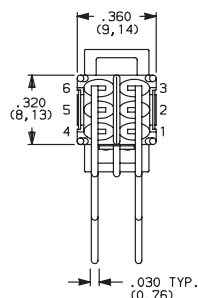
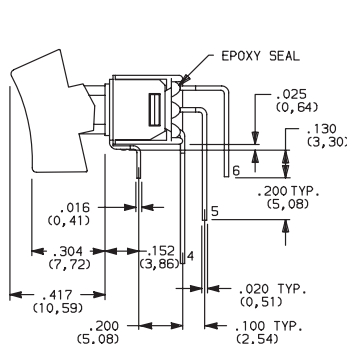
Actuator Shown In Pos. 1



T102 models:
Omit hole 2.

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

Actuator Shown In Pos. 1



.043 DIA.
(.1, .09) TYP.

.200 TYP.
(.5, .08)

.100 TYP.
(.2, .54)

.200
(.5, .08)

13

16

12

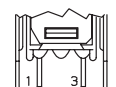
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11

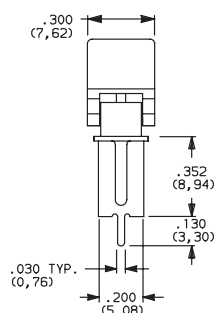
14

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

Actuator Shown In Pos. 1

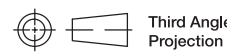


T102 models:
Omit terminal 2.



Technical drawing of a 5-hole punch card. The card is rectangular with a width of .100 TYP. (2, 54) and a height of .400 (10, 16). The punch holes are arranged in a vertical column. The top hole has a diameter of .043 DIA. (1, 090) TYP. The distance between the top hole and the bottom hole is .100 TYP. (2, 54). The distance between the bottom hole and the top hole is .400 (10, 16).

T102 models:
Omit center hole.



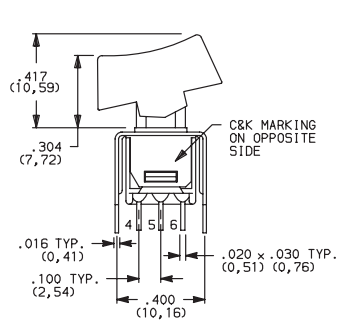
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change



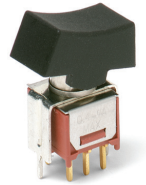
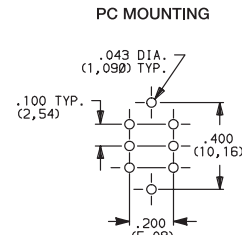
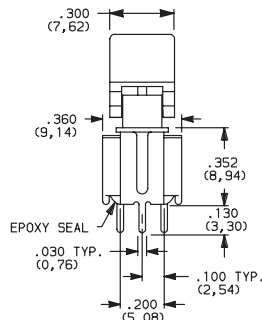
T Series Subminiature Rocker Switches

TERMINATIONS

V3 VERTICAL MOUNT, V-BRACKET



Actuator Shown In Pos. 1



T201J1V3BE2
DPDT

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B	GOLD ³	GOLD ¹	LOW LEVEL/ DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
P		MATTE-TIN ⁶		
Q	SILVER ^{4,5}	SILVER ⁵	POWER	TX01 MODELS: 3 AMPS @ 120 V AC OR 28 V DC. ALL OTHER MODELS: 2 AMPS @ 120 V AC OR 28 V DC.
G	GOLD OVER SILVER ^{2,3}	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	TX01 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.
R		MATTE-TIN ⁶		

* 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 matte-tin over nickel plate.

NOTE: Any models supplied with B, G, P, Q & R contact material are RoHS compliant.

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

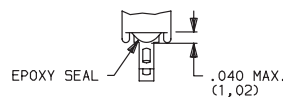
B contact material standard with A, AV, V3 terminations.

Q contact material standard with C & Z terminations.

P & R contact materials not available with Z terminations.

SEAL

E EPOXY SEAL



Rocker



G

C&K



Dimensions are shown: Inches (mm)

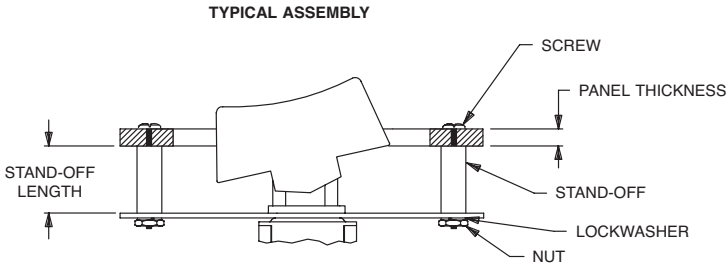
Specifications and dimensions subject to change

T Series

Subminiature Rocker Switches

AVAILABLE HARDWARE

Panel mounting hardware for rocker and lever handle switches is available separately. Mounting hardware consists of two screws, two nuts, two standoffs and two lockwashers per switch, and is available for panel thicknesses of 1/16, 3/32 and 1/8 inch. See part numbers below.



PART NO.	PANEL THK.	STANDOFF LENGTH
761101000	1/16 IN. (1,59)	.295 (7,49)
761102000	3/32 IN. (2,38)	.264 (6,71)
761103000	1/8 IN. (3,18)	.233 (5,92)

NOTE: Additional nuts, screws and lockwashers available separately, see Technical Data section of this catalog.

J1 Actuator

PART NO.

468002263 BLACK

Material: Nylon
Finish: Matte

J6 Actuator

PART NO.

468102263 BLACK

Material: Nylon
Finish: Matte

NOTE: Other colors, custom actuator markings and legends available, consult Customer Service Center.

Mouser Electronics

Authorized Distributor

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C&K Switches:

[T103J1V3BE2](#) [T101J1AVBE2](#) [T101J6ZGE2](#) [T205J1AVBE2](#) [T101J6V3BE2](#) [T101J1ABE2](#) [T101J1V3QE2](#)
[T102J1AVQE2](#) [T102J6AVQE2](#) [T101J1AQE2](#) [T101J1V3BE2](#) [T101J1ZBE2](#) [T101J1ZQE2](#) [T101J6ABE2](#)
[T101J6AGE2](#) [T101J6AQE2](#) [T101J6AVQE2](#) [T101J6V3QE2](#) [T103J1AVBE2](#) [T103J1ZBE2](#) [T103J6ABE2](#)
[T105J1AVBE2](#) [T105J1V3BE2](#) [T105J1ZBE2](#) [T105J1ZQE2](#) [T105J6ABE2](#) [T107J6AKE2](#) [T107J6AQE2](#) [T201J1ABE2](#)
[T201J1AVBE2](#) [T201J1V3BE2](#) [T201J1ZQE2](#) [T107J1ABE2](#) [T101J6AVGE2](#) [T107J1V3BE2](#) [T201J6AGE2](#)
[T201J6V3BE2](#)