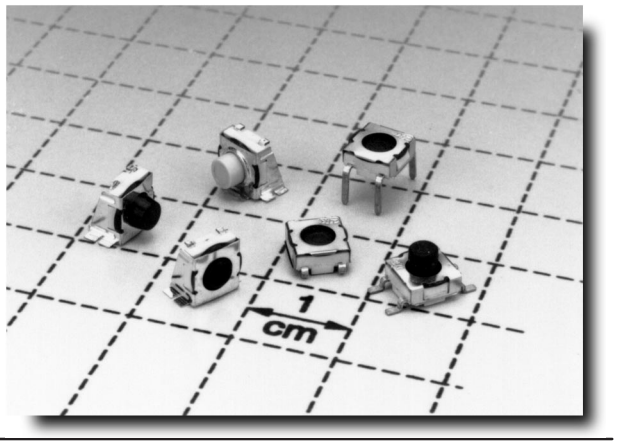
Features/Benefits

- ***Internal actuator seal and insert molded terminals—permit soldering and cleaning***
- ***Tin-lead plated terminals—improves solderability***
- ***Tape and reel packaging available***
- ***Right angle surface mount models available***

Typical Applications

- ***Telecommunications***
- ***Computer Products***
- ***Instrumentation***



How To Order

Complete part numbers for KT Series Sealed Tactile Switches are shown on pages C-3 thru C-5.

Specifications

CONTACT RATING: 1.0 VA max. @ 50 V AC or DC max.
MECHANICAL & ELECTRICAL LIFE: 100,000 make-and-break cycles at full load.
CONTACT RESISTANCE: Below 50 milliohms typ. initial @ 2-4 V DC, 100 mA.
INSULATION RESISTANCE: 10^9 ohms min.
DIELECTRIC STRENGTH: 250 V RMS min. @ sea level.
OPERATING TEMPERATURE: –40°C to 90°C.
SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).
DEGREE OF PROTECTION: IP57; Protection against harmful dust deposit, full-scale voltage protection, temporary immersion.
PACKAGING: Switches supplied in rigid dispensing tubes or anti-static tape and reels per EIA 481-2, see pages L-36 and L-37 for drawings and reel information. Tape and cover strip are conductive for use near statically sensitive components, consult Customer Service Center.

Materials

HOUSING: Stainless steel.
BASE: LCP or PPA (UL 94V-0).
ACTUATOR: B0, B1, B2 actuators: Silicone rubber. P2, P3, P4 actuators: Nylon (UL 94V-0).
MOVABLE CONTACT: Stainless steel, silver plated.
STATIONARY CONTACTS: Copper alloy, silver plate over nickel.
TERMINALS: Copper alloy, with tin-lead alloy over nickel plate. All terminals insert molded.
SEAL: Silicone rubber (UL 94V-0).

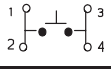
NOTE: Specifications and materials listed above are general specifications for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

CAUTION: PC mounting layouts and pads as shown are designed to be compatible with the latest equipment and reflow techniques. Care should be taken in the design and location of PC lands to suit individual needs. Orientation relative to reflow direction may significantly impact solder joint integrity.

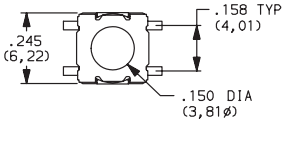
6.22 x 6.38mm Models

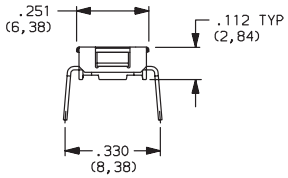
PART NUMBER	ACTUATOR HEIGHT	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2
KT11B0CM	FLUSH	OFF	MOM.
KT11B1CM	.025 (0,64)	OFF	MOM.
KT11B2CM	.088 (2,24)	OFF	MOM.
KT11P2CM	.093 (2,36)	OFF	MOM.
KT11P3CM	.044 (1,12)	OFF	MOM.
KT11P4CM	.156 (3,96)	OFF	MOM.
Conn. Terms		OPEN	1,2-3,4

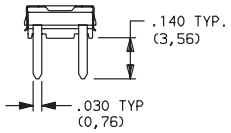
Schematic
SPST



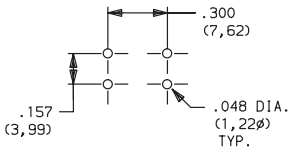
MOM. = Momentary

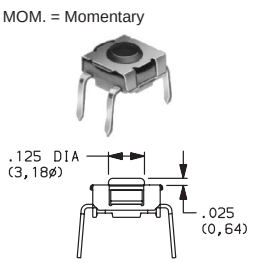




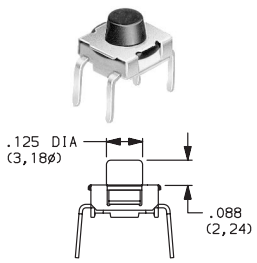


KT11B0CM
SPST
PC MOUNTING

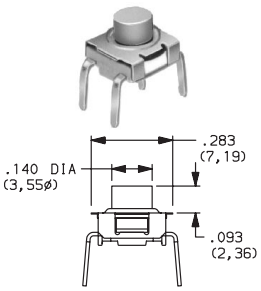




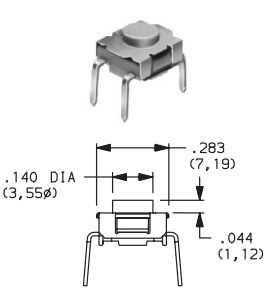
With B1 Silicone Rubber Actuator



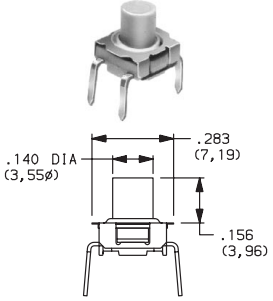
With B2 Silicone Rubber Actuator



With P2 Hard Plastic Actuator



With P3 Hard Plastic Actuator

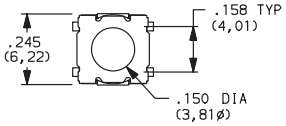


With P4 Hard Plastic Actuator

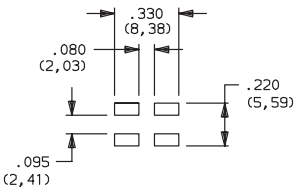
6.22 x 6.38mm Surface Mount Models

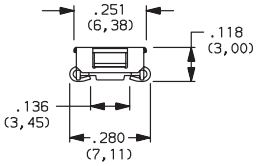
SMT

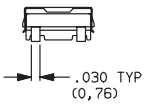
KT11B0JM
SPST

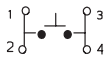


PC MOUNTING

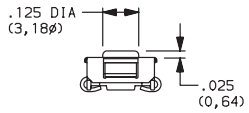




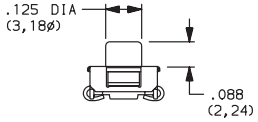


PART NUMBER	ACTUATOR HEIGHT	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2
KT11B0JM	FLUSH	OFF	MOM.
KT11B1JM	.025 (0,64)	OFF	MOM.
KT11B2JM	.088 (2,24)	OFF	MOM.
KT11P2JM	.093 (2,36)	OFF	MOM.
KT11P3JM	.044 (1,12)	OFF	MOM.
KT11P4JM	.156 (3,96)	OFF	MOM.
Conn. Terms		OPEN	1,2–3,4
Schematic SPST			

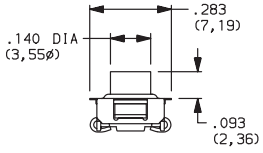
MOM. = Momentary



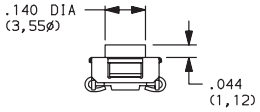
With B1 Silicone
Rubber Actuator



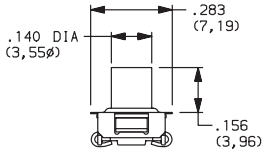
With B2 Silicone
Rubber Actuator



With P2 Hard
Plastic Actuator



With P3 Hard
Plastic Actuator

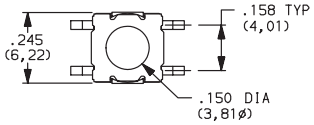


With P4 Hard
Plastic Actuator

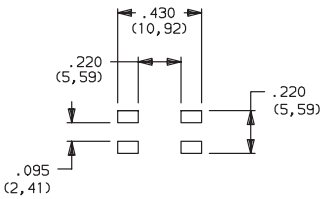
6.22 x 6.38mm Surface Mount Models

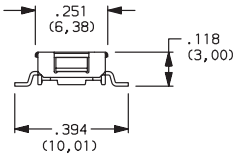
SMT

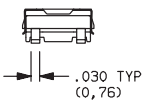
KT11B0SM
SPST

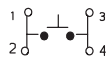


PC MOUNTING

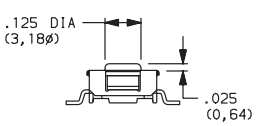




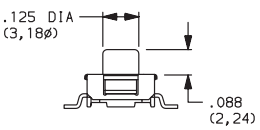


PART NUMBER	ACTUATOR HEIGHT	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2
KT11B0SM	FLUSH	OFF	MOM.
KT11B1SM	.025 (0,64)	OFF	MOM.
KT11B2SM	.088 (2,24)	OFF	MOM.
KT11P2SM	.093 (2,36)	OFF	MOM.
KT11P3SM	.044 (1,12)	OFF	MOM.
KT11P4SM	.156 (3,96)	OFF	MOM.
Conn. Terms		OPEN	1,2–3,4
Schematic SPST			

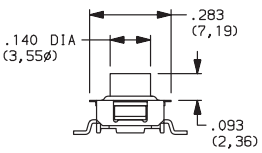
MOM. = Momentary



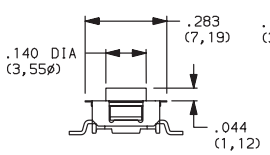
With B1 Silicone
Rubber Actuator



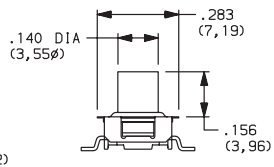
With B2 Silicone
Rubber Actuator



With P2 Hard
Plastic Actuator



With P3 Hard
Plastic Actuator

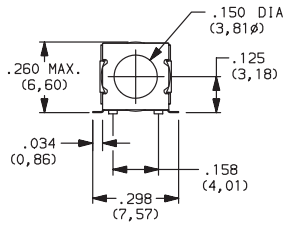


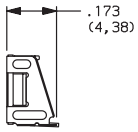
With P4 Hard
Plastic Actuator

6.60 x 6.60mm Right Angle Models

PART NUMBER	ACTUATOR HEIGHT	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2
KT11B0SAM	FLUSH	OFF	MOM.
KT11B1SAM	.025 (0,64)	OFF	MOM.
KT11B2SAM	.088 (2,24)	OFF	MOM.
Conn. Terms		OPEN	2-4
Schematic SPST			

MOM. = Momentary

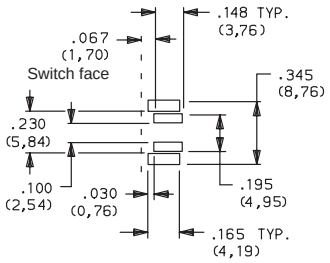


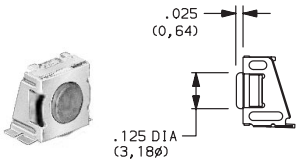


SMT

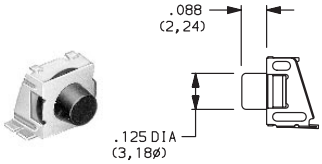
KT11B0SAM
SPST

PC MOUNTING





With B1 Silicone
Rubber Actuator

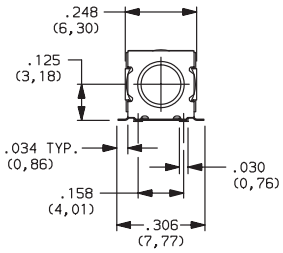


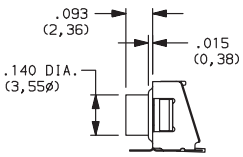
With B2 Silicone
Rubber Actuator

6.30 x 6.38mm Right Angle Models

PART NUMBER	ACTUATOR HEIGHT	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2
KT11P2SA1M	.093 (2,36)	OFF	MOM.
KT11P3SA1M	.059 (1,50)	OFF	MOM.
KT11P4SA1M	.156 (3,96)	OFF	MOM.
Conn. Terms		OPEN	1,2–3,4
Schematic SPST			

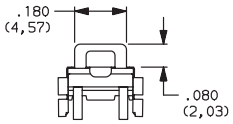
MOM. = Momentary



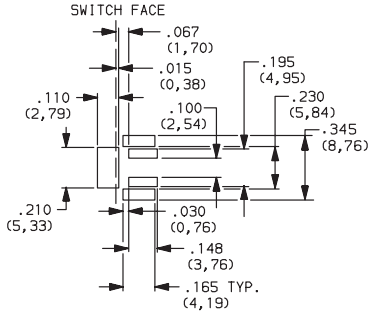


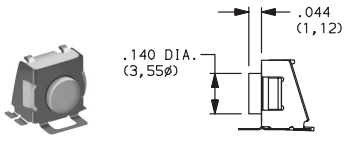
SMT

KT11P2SA1M
SPST

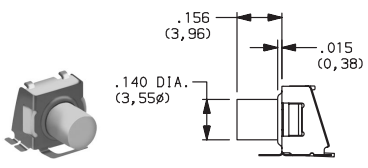


PC MOUNTING





With P3 Hard
Plastic Actuator



With P4 Hard
Plastic Actuator