Features/Benefits
- 2 axis, multi-direction operation
- 2,000,000 life cycle for toggle
- Center select momentary switch
- Small package size

Typical Applications
- Gaming peripherals
- Remote Control Vehicles
- Mini-joystick
- Thumb control
- Navigation control
- Industrial control
- Heavy equipment

Electrical
TOTAL RESISTANCE (POTENTIOMETERS): 10kΩ ± 20% initial
   Within ± 20% of initial values for 10,000 cycles
RESISTANCE POTENTIOMETERS: Percentage of the voltage of terminal 1-2 to the voltage of terminal 1-3
RATED VOLTAGE: 50 VAC or 5 VDC
RATED POWER: 0.05 A @ 12 VDC
CONTACT NOISE: Noise < 10% of operating voltage
VOLTAGE DIVIDER: 39.6° ± 0.4%
INSULATION RESISTANCE: > 100 MΩ
WITHSTANDING VOLTAGE: No arcing or breakdown

Mechanical
PATTERN OF ACTUATOR MOVEMENT: Toggle cross-wide and in a circle
FULL STROKE ACTUATION STOP STRENGTH: > 3.1 kgf
   (3 seconds minimum)
PULL STRENGTH OF THE ACTUATOR: > 5.0 kgf
   (3 seconds minimum)
ACTUATION FORCE: 160 +/- 40 gf (19 +/- 5mN*M of Torque)
ACCURACY OF RETURN TO ACTUATOR RELEASE POSITION: ±3°
TOGGLE ANGLE OF OPERATION: 30° to 36°C Max angle from vertical through full circular range of rotation
OPERATING LIFE: 1,000,000 cycles minimum (center switch)
2,000,000 cycles minimum (thumbstick toggle)

Environment
OPERATING TEMPERATURE: -10°C to +70°C
STORAGE TEMPERATURE: -30°C to +80°C

Packaging
Tray (60 units)

THB001P

Dimensions are shown: mm
Specifications and dimensions subject to change

www.ckswitches.com