## 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



## 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: $160+/-40 \mathrm{gf}(19+/-5 \mathrm{mN}$ * M of Torque) ACCURACY OF RETURN TO ACTUATOR RELEASE POSITION: $\pm 3^{\circ}$ TOGGLE ANGLE OF OPERATION: $30^{\circ}$ to $36^{\circ} \mathrm{C}$ 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)

## Packaging

Tray (60 units)

## THB001P



Circuit diagram



## X-ON Electronics

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