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 ˜ 60.4%
INSULATION RESISTANCE: > 100 MΩ
WITHSTANDING VOLTAGE: No arcing or breakdown

Environment

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

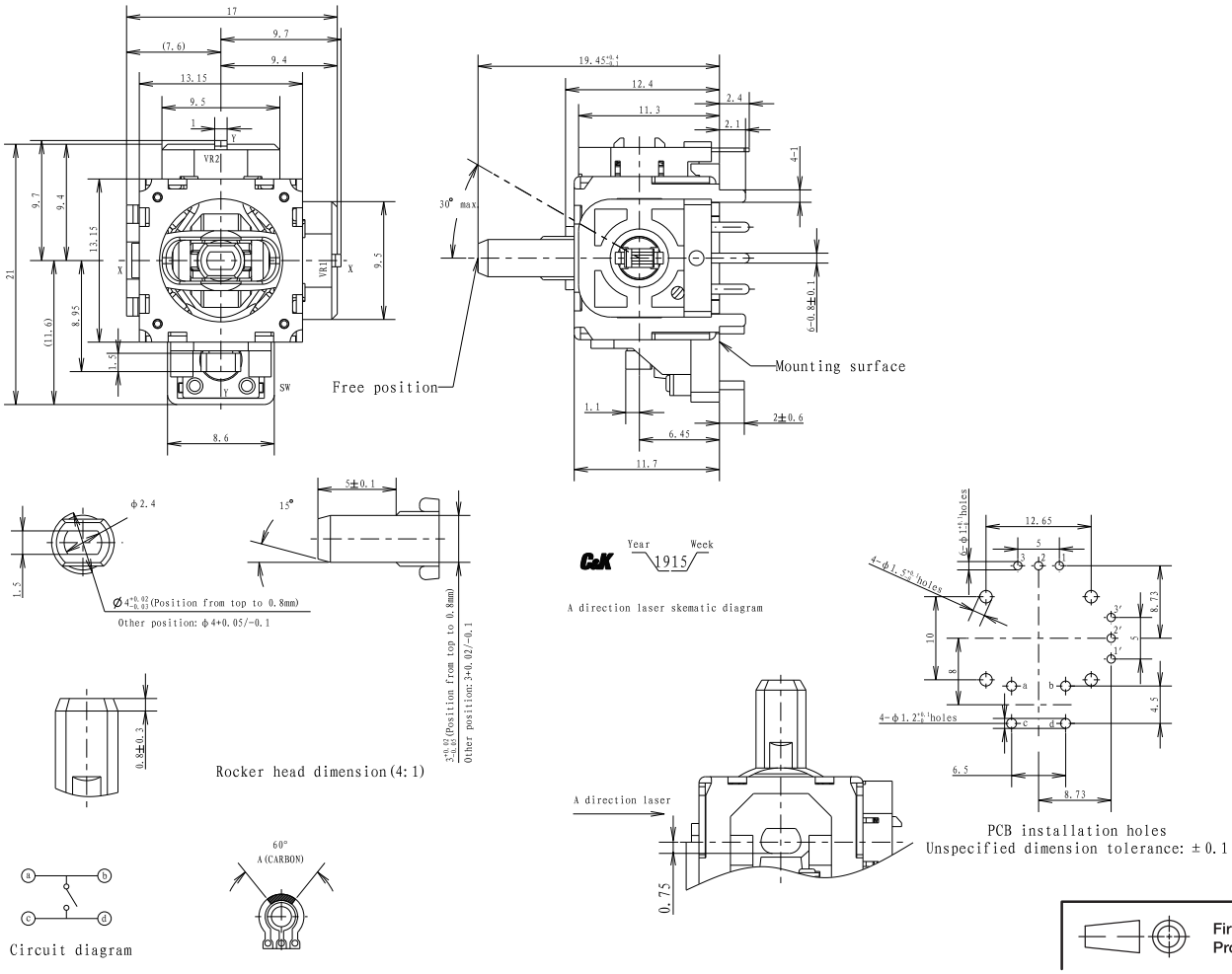
Mechanical

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)

Packaging

Tray (60 units)

THB001P



First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

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