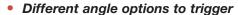
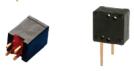
#### Features/Benefits



- Ultra miniature design
- Patent awarded

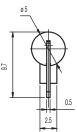
## Typical Applications

- Household goods
- Electronic toys
- Consumer electronics including irons, portable heaters, games, toys
- Safety and security controls



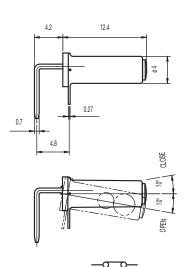


PART NUMBER	PACKAGING
RB-231X2	1,000 pieces





PCB LAYOUT



#### **Specifications**

CONTACT ARRANGEMENT: SPST

SENSOR ANGLE: 0° to -10° scope inside, terminal to

disconnection electric current

MINIMUM VOLTAGE: 1 VDC 10mA (resistive load) MAXIMUM VOLTAGE: 5 VDC 1mA (resistive load)

OPERATING LIFE: 100,000 cycles

INSULATION RESISTANCE: 1000 M  $\Omega$  min. @ 100 VDC DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) OPERATING TEMPERATURE: -20°C to +70°C

#### **Materials**

FRAME: Copper alloy, nickel plated

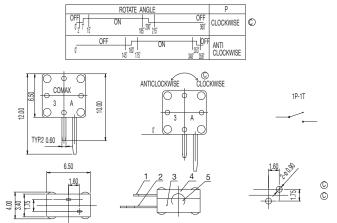
COVER: PA 46 (UL94V-0).

MOVABLE CONTACT: Copper alloy, nickel plated

TERMINALS: Copper alloy, gold plated BRASS BALL: Brass, gold plated







#### **Specifications**

CONTACT ARRANGEMENT: SPST

SENSOR ANGLE:  $15^{\circ}$  to  $90^{\circ}$  scope inside, terminal to

disconnection electric current

MINIMUM VOLTAGE: 1 VDC 10mA (resistive load)
MAXIMUM VOLTAGE: 5 VDC 1mA (resistive load)
OPERATING LIFE: 20,000 cycles (without load);

100,000 cycles with load

INSULATION RESISTANCE: 10 M  $\Omega$  min. @ 100 VDC DIELECTRIC STRENGTH: 100 V AC (50-60Hz) OPERATING TEMPERATURE: -10°C to +50°C

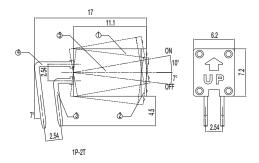
## **Materials**

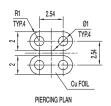
HOUSING: PA COVER: PA BALL: Gold plated



# RB Series Rolling Ball Sensor Switch

PART NUMBER	PACKAGING
RB-435B	500 pieces





## **Specifications**

CONTACT ARRANGEMENT: SPDT

MINIMUM VOLTAGE: 1 VDC 10mA (resistive load) MAXIMUM VOLTAGE: 5 VDC 1mA (resistive load)

OPERATING LIFE: 100,000 cycles INITAL CONTACT RESISTANCE: 5  $\Omega$  max.

INSULATION RESISTANCE: 1000 M  $\Omega$  min. @ 500 VDC DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) OPERATING TEMPERATURE: -20°C to +70°C

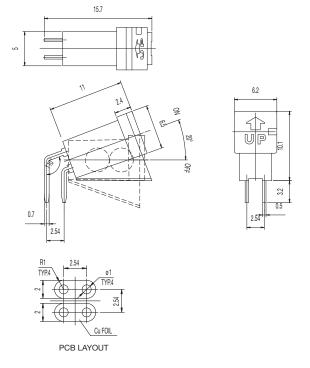
#### **Materials**

HOUSING: PA (UL94V-0) COVER: PA (UL94V-0)

MOVABLE CONTACT: Copper alloy, nickel plated

TERMINALS: Gold plated BALL: Steel, gold plated

PART NUMBER	PACKAGING
RB-435X2-20	500 pieces



## **Specifications**

CONTACT ARRANGEMENT: SPDT

SENSOR ANGLE: -20° to -30° scope inside, terminal to

disconnection electric current

MINIMUM VOLTAGE: 1 VDC 10mA (resistive load)
MAXIMUM VOLTAGE: 5 VDC 1mA (resistive load)

OPERATING LIFE: 100,000 cycles

INSULATION RESISTANCE: 1000 M  $\Omega$  min. @ 100 VDC DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) OPERATING TEMPERATURE: -20°C to +70°C

#### **Materials**

HOUSING: PBT (UL94V-0) COVER: PBT (UL94V-0) TERMINALS: Gold plated BALL: Steel, gold plated

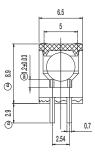


Detect

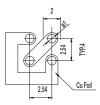




PART NUMBER	PACKAGING
RB-441-45	500 pieces







PCB LAYOUT

## **Specifications**

CONTACT ARRANGEMENT: SPDT

MAXIMUM VOLTAGE: 24 VDC 25mA (resistive load)

OPERATING LIFE: 100,000 cycles

INSULATION RESISTANCE: 1000 M  $\Omega$  min. @ 100 VDC

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) OPERATING TEMPERATURE: -20°C to +70°C

#### **Materials**

HOUSING: PBT (UL94V-0) COVER: PBT (UL94V-0) TERMINALS: Gold plated BALL: Gold plated



