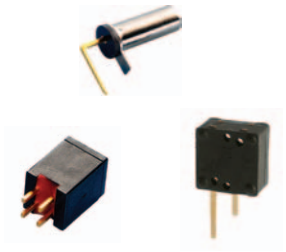
NEW!

RB Series
Rolling Ball Sensor Switch

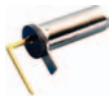


Features/Benefits

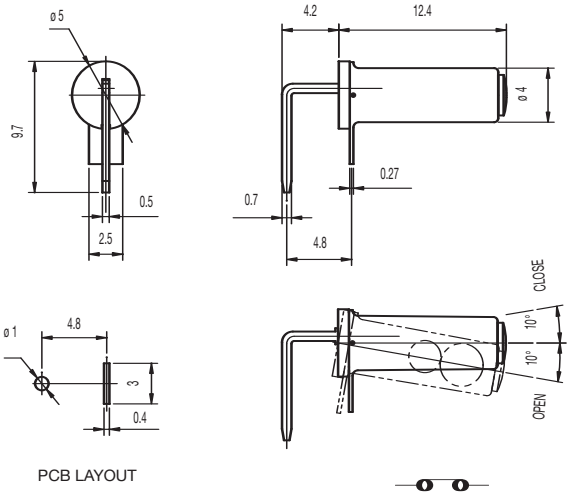
- ***Different angle options to trigger***
- ***Ultra miniature design***
- ***Patent awarded***

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 Ω min. @ 100 VDC

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz)

OPERATING TEMPERATURE: –20ºC to +70ºC

Materials

FRAME: Copper alloy, nickel plated

COVER: PA 46 (UL94V-0).

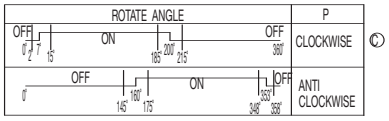
MOVABLE CONTACT: Copper alloy, nickel plated

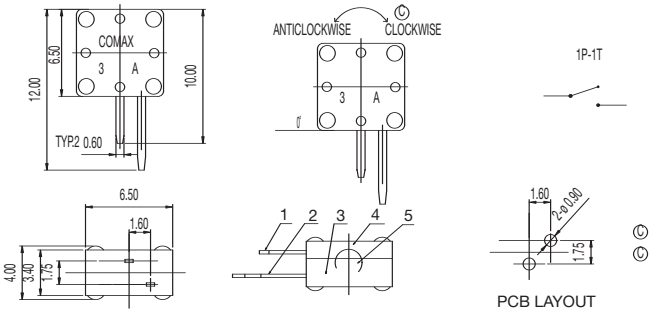
TERMINALS: Copper alloy, gold plated

BRASS BALL: Brass, nickel plated

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

PART NUMBER	PACKAGING
RB-220-07 R	500 pieces





PCB LAYOUT

Specifications

CONTACT ARRANGEMENT: SPST

SENSOR ANGLE: 15˚ to 90˚ 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 Ω min. @ 100 VDC

DIELECTRIC STRENGTH: 100 V AC (50-60Hz)

OPERATING TEMPERATURE: –10ºC to +50ºC

Materials

HOUSING: PA

COVER: PA

BALL: Gold plated

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

Dimensions are shown: mm
Specifications and dimensions subject to change

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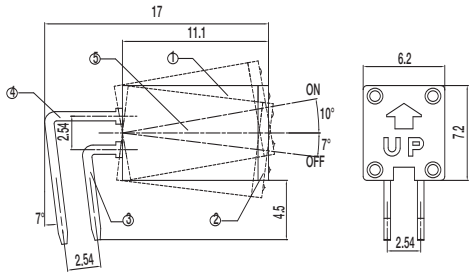
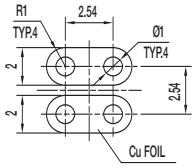
PART NUMBER	PACKAGING
RB-435B	500 pieces



1P-2T



PIERCING PLAN

Specifications

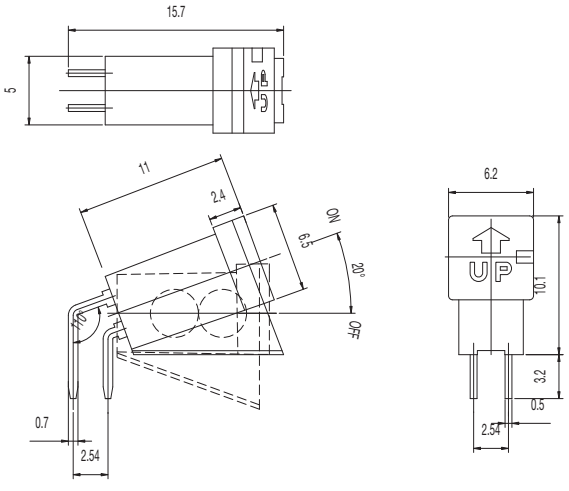
CONTACT ARRANGEMENT: SPDT
MINIMUM VOLTAGE: 1 VDC 10mA (resistive load)
MAXIMUM VOLTAGE: 5 VDC 1mA (resistive load)
OPERATING LIFE: 100,000 cycles
INITAL CONTACT RESISTANCE: 5 Ω max.
INSULATION RESISTANCE: 1000 M Ω min. @ 500 VDC
DIELECTRIC STRENGTH: 500 V AC (50-60 Hz)
OPERATING TEMPERATURE: –20°C to +70°C

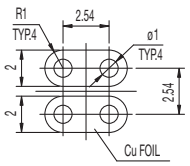
Materials

HOUSING: PA (UL94V-0)
COVER: PA (UL94V-0)
MOVABLE CONTACT: Copper alloy, nickel plated
TERMINALS: Gold plated
BALL: Steel, gold plated

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

PART NUMBER	PACKAGING
RB-435X2-20	500 pieces





PCB LAYOUT

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 Ω 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

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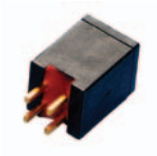
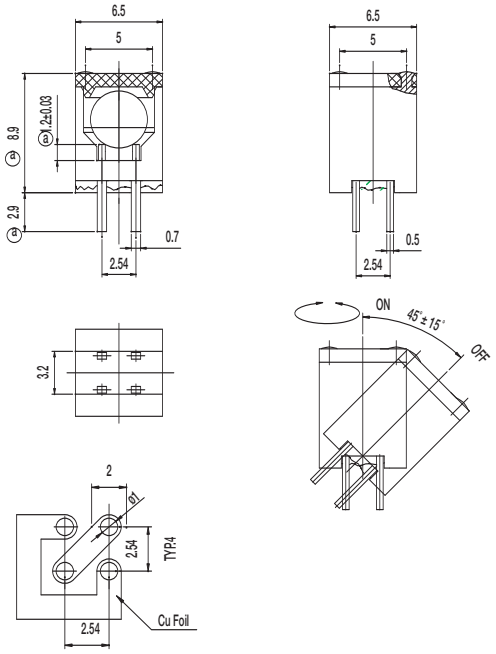


PART NUMBER	PACKAGING
RB-441-45	500 pieces



PCB LAYOUT

Specifications

CONTACT ARRANGEMENT: SPDT
MAXIMUM VOLTAGE: 24 VDC 25mA (resistive load)
OPERATING LIFE: 100,000 cycles
INSULATION RESISTANCE: 1000 M Ω 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

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

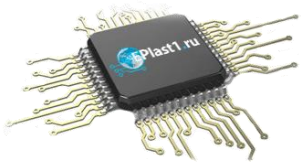
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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