

RS Series

Miniature Surface Mount Magnetic Detect Switches

Features/Benefits

- Low profile package sits just 2,3 mm off PCB
- Design allows top or side actuation
- Omni-polar
- Pick and place compatible, available in tape & reel packaging
- RoHS compliant and compatible

Typical Applications

- Consumer electronics
- Computers
- Medical devices
- Servers
- Security
- Factory automation equipment



Specifications

FUNCTION: Normally Open
 SWITCHING CURRENT: 0.35A max.
 CARRY CURRENT: 0.5A max.
 SWITCHING VOLTAGE: 100VDC max.
 BREAKDOWN VOLTAGE: 150VDC min.
 CONTACT RATING: 5.0 W or VA.
 MECHANICAL AND ELECTRICAL LIFE: 1,000,000 cycles
 CONTACT RESISTANCE: 200 m Ω max. initial.
 INSULATION RESISTANCE: 100 M Ω min. between adjacent contacts.
 OPERATING TEMPERATURE: -40°C to + 140°C
 STORAGE TEMPERATURE: -40°C to + 140°C
 PACKAGING: Tape & reel, 2,500 per reel, bulk pack
 MAGNETIC DATA:
 Magnetic Orientation to Operate: Omni-polar (operates with either pole of a magnet)
 AT Range: 20-40 Ampere Turns

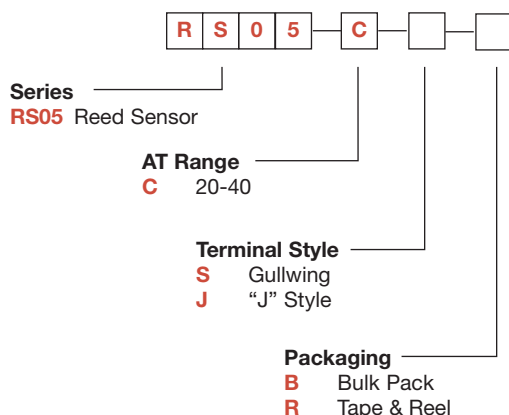
Materials

CONTACT TERMINALS:
 Base Metal: Proprietary Iron Alloy
 Contact Surface: Ruthenium
 External Surface Plating: Matte Tin Plate
 MOLDED EXTERIOR PACKAGING: PA 66 (UL V-0)

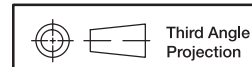
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on the following pages. For additional options not shown in catalog, consult Customer Service Center.



Detect

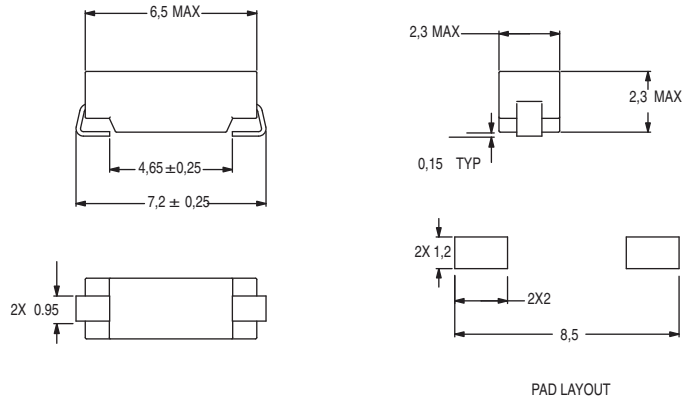


Dimensions are shown: mm
 Specifications and dimensions subject to change

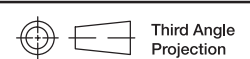
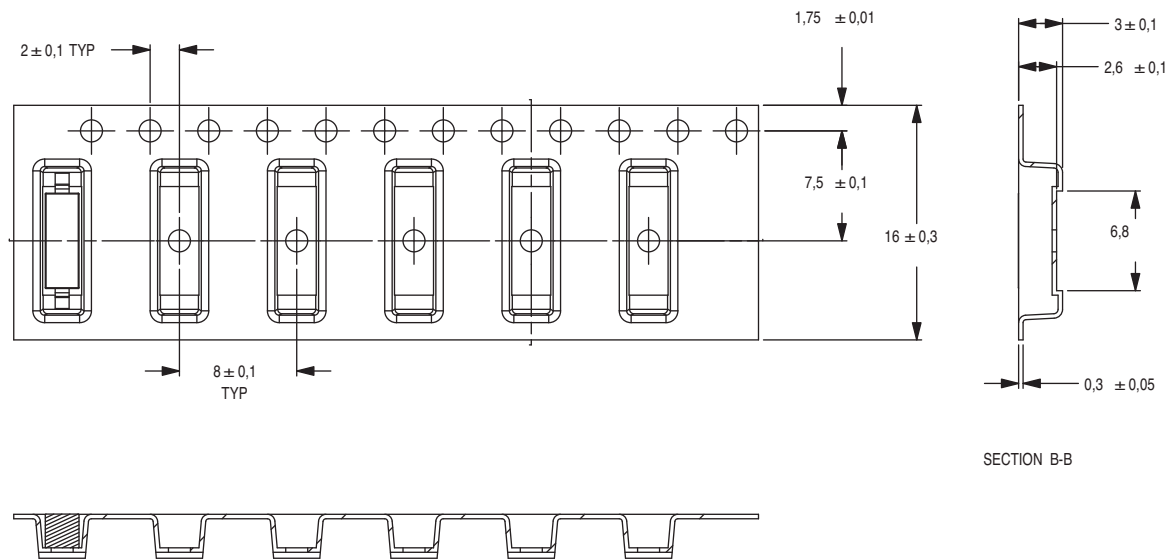
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TERMINAL STYLE

J "J" STYLE



TAPE & REEL



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Specifications and dimensions subject to change



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Detect