

RS-1A33

- Features: High Power / Voltage / Current,Gold-Plated Lead
- Applications: Relay,Pump Switch,Generator
- Markets: Test and Measurement,Safety,Food Service & Other

Outline Dimension

Unit: mm    DIM Tolerance: ±0.3

Technical drawing of the RS-1A33 reed switch. The top view shows a cylindrical body with two leads, with a maximum length of 50.80 mm. The side view shows a cylindrical body with a diameter of 5.40 mm maximum, a length of 78.70 ± 0.50 mm, and a lead diameter of 2.50 x 0.5 mm reference.

Switch characteristic

|                                     |         |                                                             |                     |        |
|-------------------------------------|---------|-------------------------------------------------------------|---------------------|--------|
| Contact Form                        | Form A  | Max Contact Rating                                          | 250 W               |        |
| Max Switch Voltage                  | 250 VDC | Max Switch Current                                          | 5.0 A               |        |
| Max Carrying Current                | 5.0 A   | Min Breakdown Voltage                                       | 700 VDC             |        |
| Max Contact Resistance @0.5V & 50mA | 100 mΩ  | Insulation Resistance (min./typ.) Rh<45%, 100V Test Voltage | 1×10 <sup>9</sup> Ω |        |
| Operate Time,incl.Bounce            | 2.0 ms  | Capacitance                                                 | Across Open Switch  | 1.0 pF |
| Reset Time                          | 1.0 ms  |                                                             |                     |        |

Environmental data

|                               |             |                                      |             |
|-------------------------------|-------------|--------------------------------------|-------------|
| Resonance Frequency (typ)     | 700 Hz      | Operating Frequency (max)            | 5 Hz        |
| Vibration (10 to 2KHz 1.5mm ) | 20 G        | Shock (1/2 sine wave duration 11ms ) | 50 G        |
| Operating Temperature         | -40℃ ~ 130℃ | Storage Temperature                  | -55℃ ~ 130℃ |

Example of order marking

|               |              |              |              |                    |
|---------------|--------------|--------------|--------------|--------------------|
| Product model | Contact Form | Switch Model | Special code | Pull-In Excitation |
| RS            | 1A: 1 Form A | 33           | Nil          | (AT-Range)         |