

Reed Switch specifications

Model No: LDW-9002

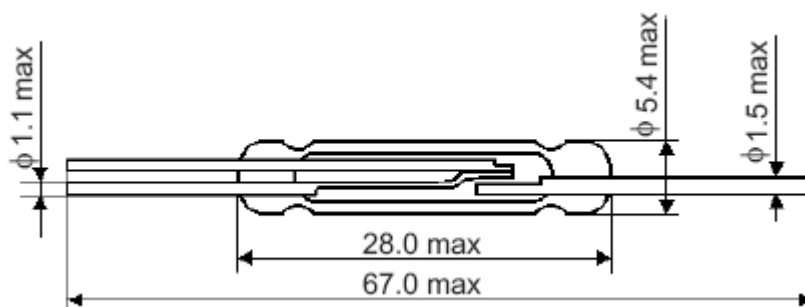
Features

- The LDW-9002 is a single pole double throw reed switch designed for high speed low level switching systems.

Applications

- Automotive electronic devices
- Rotation and speed Monitoring
- Door and Window Contacts for Security System
- Communication equipment
- Measurement equipment

Dimensions



Outer Dimension	Glass Diameter (Max.)	5.4	mm
	Glass Length (Max.)	28.0	mm
	Lead Diameter (Nominal)	1.1 / 1.5	mm
	Overall Length (Max.)	67.0	mm

Electrical Characteristics

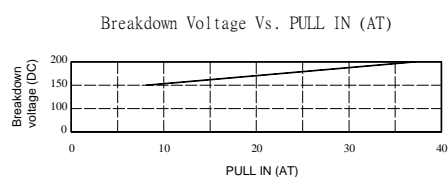
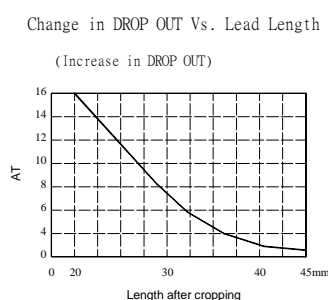
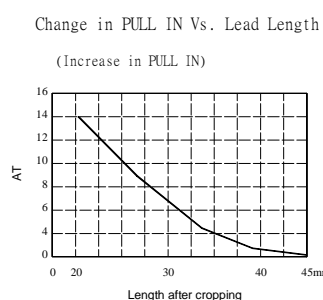
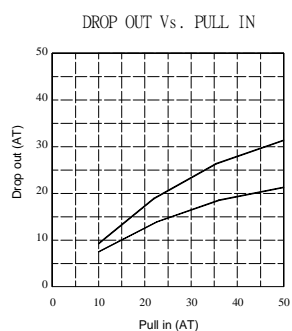
Contact form		SPDT Form C Off-Centre gap
Contact material		Ru
Switching power	(max.)	30 VA
Switching Current	(max.)	1.0 Amp. DC 0.5 Amp. AC
Carry Current	(max.)	1.0 Amp. DC 1.0 Amp. AC
Switching voltage	(max.)	200 VDC
Breakdown voltage	(min.)	350 VDC
Contact resistance	(max.)	150 Miniohms
Insulation resistance	(min.)	10 ⁸ Ohms
Contact capacitance	(max.)	2.0 pF
Operate time including bounce	(typ.)	2.5 ms
Release time	(typ.)	1.5 ms
Pull in Range		50 – 120 AT
Drop out		30 – 70%

Note: 1. The specification for VA rating may be exceeded for less sensitive (High AT) switches, and should be decreased for very sensitive (Low AT) switches. Specific life testing for a particular load will be run upon request.

2. Breakdown voltage is measured in the presence of a radioactive ionizing source with leakage current limited to 100 uA.

Physical Characteristics

Operating Temperature	-40°C to +125°C
Storage Temperature	-50°C to +155°C
Vibration 10 – 2000 Hz (G ' S MAX)	50g
Shock 11ms. ½ Sine wave (G ' S MAX)	100g
Resonant Frequency (TYP.)	1.1 KHz
Switching Frequency (MAX.)	200 Hz



Minimum Life Expectancy

Load	30VDC 100mA	60VDC 200mA
Life	5×10^5	1×10^5

End of Life Definition

1. Contact resistance above 1 ohm.
2. Failure to open (sticking).