

Reed Switch specifications

Model No: LDW-4002

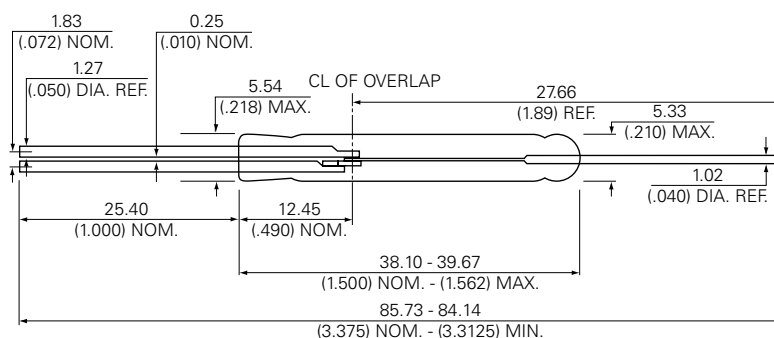
Features

- The LDW-4003 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.)	5.6	mm
	Glass Length (Max.)	38.1	mm
	Lead Diameter (Nominal)	2.5 / 0.5	mm
	Overall Length (Max.)	70	mm

Electrical Characteristics

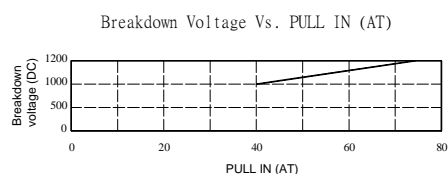
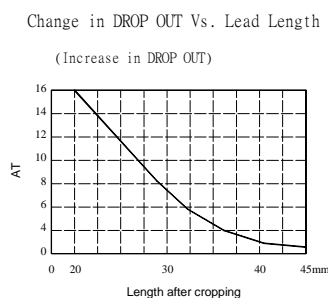
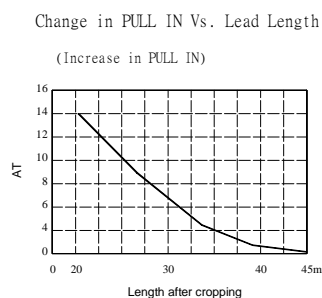
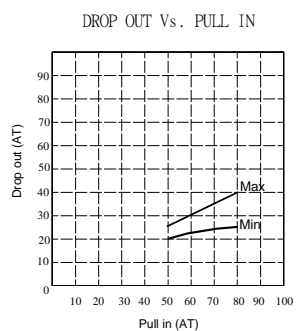
Contact form		SPDT Form C Center gap
Contact material		Tin-plated Ni-Fe wire
Switching power	(max.)	30 VA
Switching Current	(max.)	0.5 Amp. DC 0.35 Amp. AC
Carry Current	(max.)	3.0 Amp. DC
Switching voltage	(max.)	500 VDC
Breakdown voltage	(min.)	1200 VDC
Contact resistance	(max.)	125 Miniohms
Insulation resistance	(min.)	10 ⁹ Ohms
Contact capacitance	(max.)	2.0 pF
Operate time including bounce	(typ.)	0.5 ms
Release time	(typ.)	0.15 ms
Pull in Range		40 – 80 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 microamperes.

Physical Characteristics

Operating Temperature	-40°C to +125°C
Storage Temperature	-50°C to +155°C
Vibration 50 – 2000 Hz (G ' S MAX)	15G
Shock 11ms. ½ Sine wave (G ' S MAX)	10G
Resonant Frequency (TYP.)	2.75 KHz
Switching Frequency (MAX.)	100 Hz



Minimum Life Expectancy

Load	24VDC 100mA	100VDC 10mA
Life	2×10^6	0.5×10^6

End of Life Definition

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