

## Reed Switch specifications

### Model No: LDW-1002

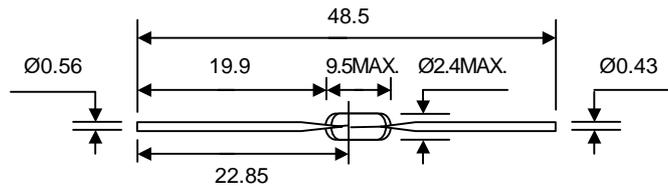
#### Features

- The LDW-1002 is a ultra miniature single-contact 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.)	2.4	mm
	Glass Length (Max.)	9.5	mm
	Lead Diameter (Nominal)	0.43, 0.56	mm
	Overall Length (Max.)	48.5	mm

**Electrical Characteristics**

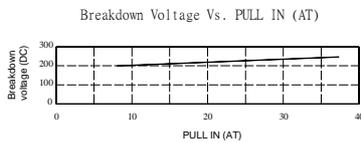
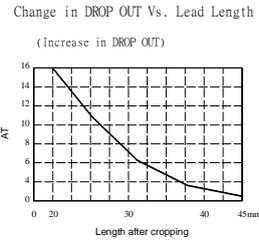
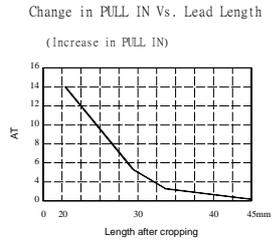
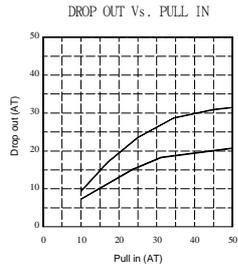
Contact form		SPST Form A off Center gap	
Contact material		Rhodium	
Switching power	(max.)	0.3 VA	
Switching Current	(max.)	0.01 Amp. DC	0.01Amp. AC
Carry Current	(max.)	0.05 Amp. DC	0.05Amp. AC
Switching voltage	(max.)	28 VDC	
Breakdown voltage	(min.)	200 VDC	
Contact resistance	(max.)	200 Miniohms	
Insulation resistance	(min.)	10 <sup>10</sup> Ohms	
Contact capacitance	(max.)	0.2 pF	
Operate time including bounce	(typ.)	1.0 ms	
Release time	(typ.)	0.1 ms	
Pull in Range		10 – 50 AT	
Drop out		40 – 90%	

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 10 – 2000 Hz (G ' S MAX)	50g
Shock 11ms. ½ Sine wave (G ' S MAX)	100g
Resonant Frequency (TYP. )	3.5 KHz
Switching Frequency (MAX. )	200 Hz



**Minimum Life Expectancy**

Load	5V DC 2mA	5V DC 1A	12V DC 10mA	24V DC 10mA	28V DC 50mA
Life	100×10 <sup>6</sup>	10×10 <sup>6</sup>	10×10 <sup>6</sup>	1×10 <sup>6</sup>	0.5×10 <sup>6</sup>

End of Life Definition

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