

Reed Switch specifications

Model No: LDW-1501

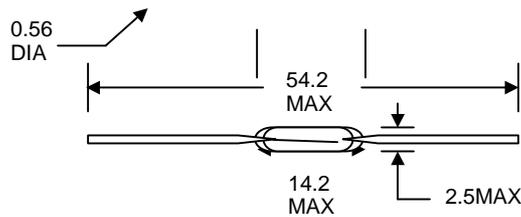
Features

- The LDW-1501 is a small single-contact reed switch, it's high density glass seal especially for open type reed relay use.

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.)	2.5	mm
	Glass Length (Max.)	14.2	mm
	Lead Diameter (Nominal)	0.56	mm
	Overall Length (Max.)	54.2	mm

LDW-1501

Electrical Characteristics

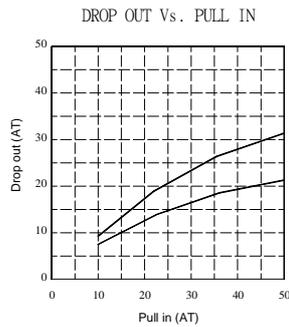
Contact form		SPST Form A Center gap	
Contact material		Rhodium over palladium	
Switching power	(max.)	20 VA	
Switching Current	(max.)	0.5 Amp. DC	0.5 Amp. AC
Carry Current	(max.)	1.0 Amp. DC	1.0 Amp. AC
Switching voltage	(max.)	200 VDC	
Breakdown voltage	(min.)	250 VDC	
Contact resistance	(max.)	200 Miniohms	
Insulation resistance	(min.)	10 ⁹ Ohms	
Contact capacitance	(max.)	0.4 pF	
Operate time including bounce	(typ.)	1.0 ms	
Release time	(typ.)	0.1 ms	
Pull in Range		15 – 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.

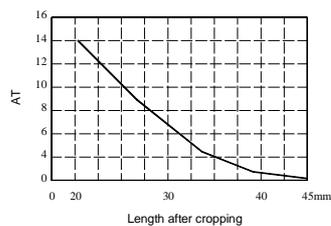
2. Breakdown voltage is measured in the presence of a radioactive ionizing source with leakage current limited to 100 microamperes.

Physical Characteristics

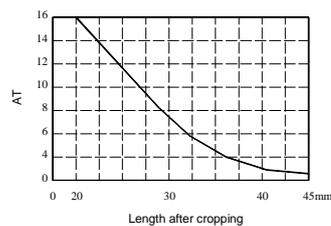
Operating Temperature	-40°C to +125°C
Storage Temperature	-50°C to +155°C
Vibration 10 – 2000 Hz (G ' S MAX)	50g
Shock 11ms. ½ Sine wave (G ' S MAX)	100g
Resonant Frequency (TYP.)	2.8 KHz
Switching Frequency (MAX.)	200 Hz



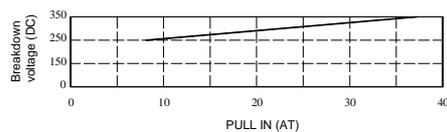
Change in PULL IN Vs. Lead Length
(Increase in PULL IN)



Change in DROP OUT Vs. Lead Length
(Increase in DROP OUT)



Breakdown Voltage Vs. PULL IN (AT)



Minimum Life Expectancy

Load	10mDC 10uA	10VDC 1A	12VDC 10mA	24VDC 10mA	100VDC 100mA
Life	100×10 ⁶	0.5×10 ⁶	10×10 ⁶	2×10 ⁶	0.5×10 ⁵

End of Life Definition

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