Reed Switch specifications

Model No: LDW-2016

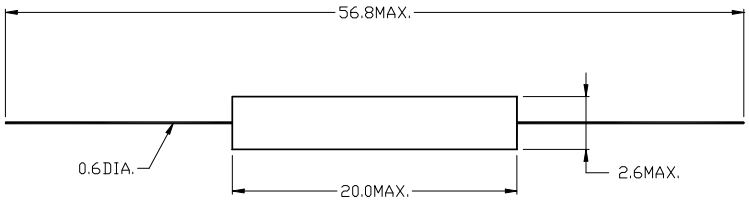
Features

- The LDW-2016 is a medium-size high power, High breakdown voltage reed switch

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.)	2.6	mm
	Glass Length (Max.)	20.0	mm
	Lead Diameter (Nominal)	0.6	mm
	Overall Length (Max.)	56.8	mm

Electrical Characteristics

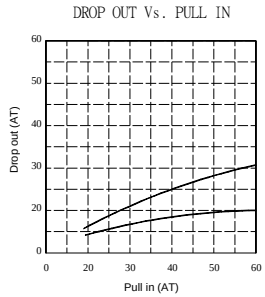
Contact form		SPST Form A Center gap
Contact material		Rhodium
Switching power	(max.)	25 VA
Switching Current	(max.)	1.0 Amp. DC 1.0 Amp. AC
Carry Current	(max.)	2.0 Amp. DC 2.0 Amp. AC
Switching voltage	(max.)	1,000 VDC
Breakdown voltage	(min.)	2,500 VDC
Contact resistance	(max.)	100 Miniohms
Insulation resistance	(min.)	10^9 Ohms
Contact capacitance	(max.)	0.4 pF
Operate time including bounce	(typ.)	1.0 ms
Release time	(typ.)	0.2 ms
Pull in Range		15 – 70 AT
Drop out		30 – 90%

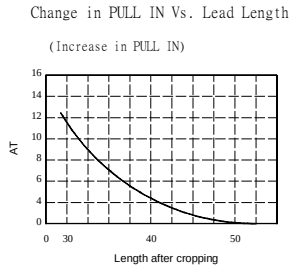
Note: 1. The specification for VA rating may be exceeded for less sensitive (High AT) switches, and should be decreased for very sensitive (Low AT) switches. Specific life testing for a particular load will be run upon request.

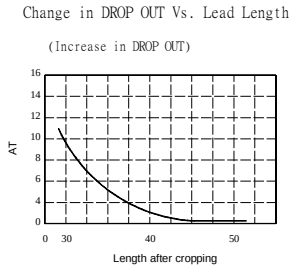
2. Breakdown voltage is measured in the presence of a radioactive ionizing source with leakage current limited to 100 microamperes.

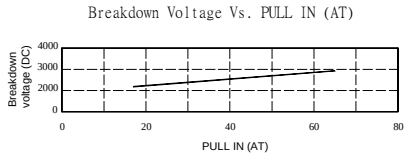
Physical Characteristics

Operating Temperature	-40℃ to + 125℃
Storage Temperature	-50℃ to + 155℃
Vibration 10 – 2000 Hz (G ' S MAX)	50g
Shock 11ms. ½ Sine wave (G ' S MAX)	100g
Resonant Frequency (TYP.)	2.2 KHz
Switching Frequency (MAX.)	200 Hz









Minimum Life Expectancy

Load	5V DC 2mA	10V DC 1A	24V DC 2mA	125V DC 80mA	200V DC 100mA	250V DC 50mA
Life	$1{,}000\times10^6$	3×10^6	3×10^6	5×10^6	0.5×10^6	0.7×10^6

End of Life Definition

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