Reed Switch specifications

Model No: LDW-1555-1

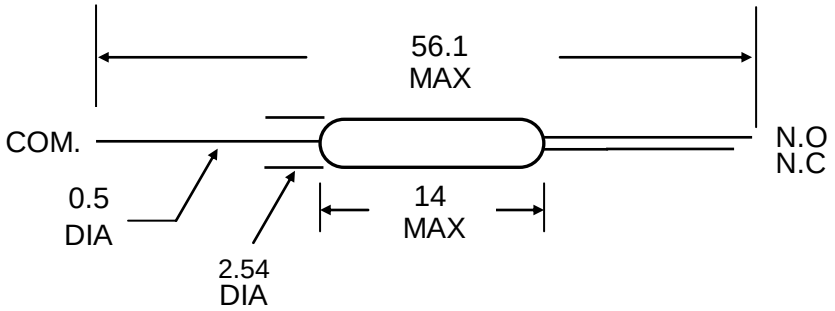
Features

The LWD-1555-1 is a small 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



Unit in mm

Outer Dimension	Glass Diameter (Max.)	2.54	mm
	Glass Length (Max.)	14	mm
	Lead Diameter (Nominal)	0.5	mm
	Overall Length (Max.)	56	mm

Electrical Characteristics

Contact form		SPST Form C Center gap
Contact material		Ruthenium
Switching power	(max.)	3 VA
Switching Current	(max.)	0.2Amp. DC 0.2Amp. AC
Carry Current	(max.)	0.5Amp. DC 0.5Amp. AC
Switching voltage	(max.)	30 VDC
Breakdown voltage	(min.)	200 VDC
Contact capacitance	(max.)	0.8 pF
Operate time including bounce	(typ.)	1.0 Milliseconds
Release time	(typ.)	0.1 Milliseconds
Pull in Range		10 – 30 AT
Drop out		40 – 90%

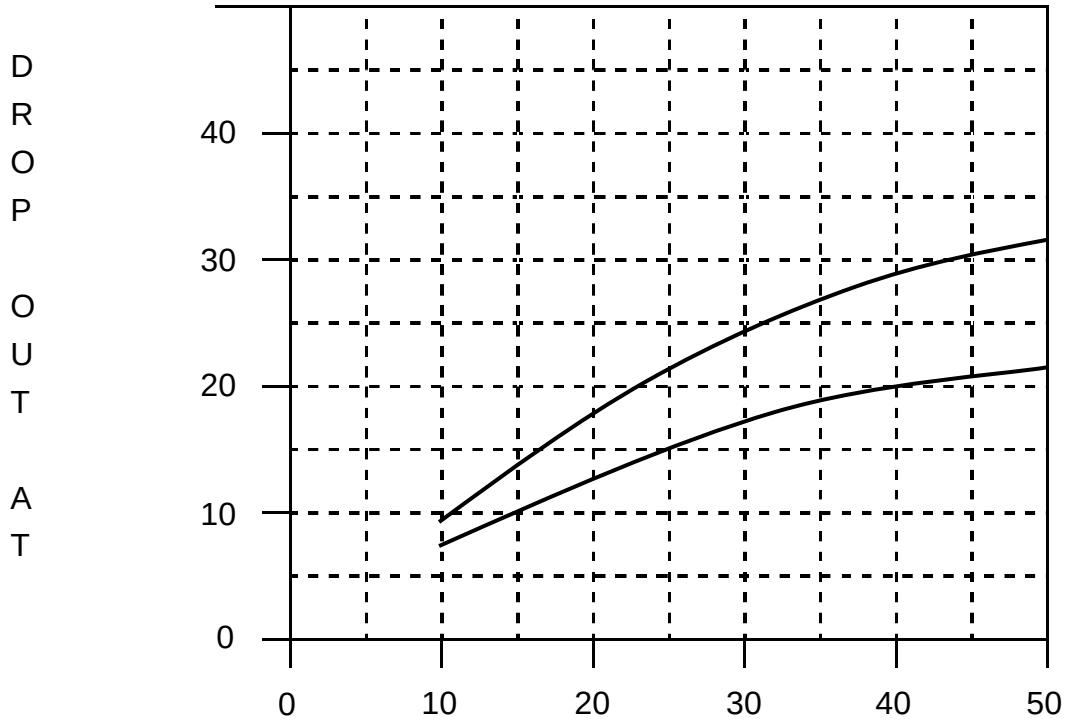
Note: 1. The specification for VA rating may be exceeded for less sensitive (High AT) switches, and should be decreased for very sensitive (Low AT) switches. Specific life testing for a particular load will be run upon request.

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

Physical Characteristics

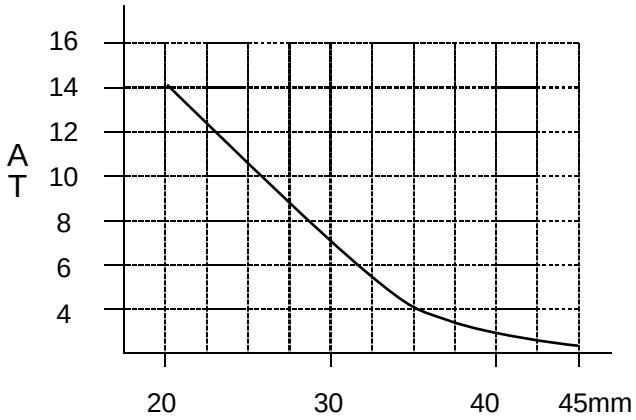
Operating Temperature	-40℃ to + 125℃
Storage Temperature	-50℃ to + 155℃
Vibration 10 – 2000 Hz (G ' S MAX)	50g
Shock 11ms. ½ Sine wave (G ' S MAX)	100g
Resonant Frequency (TYP.)	2.4 KHz
Switching Frequency (MAX.)	200 Hz

DROP OUT Vs PULL IN



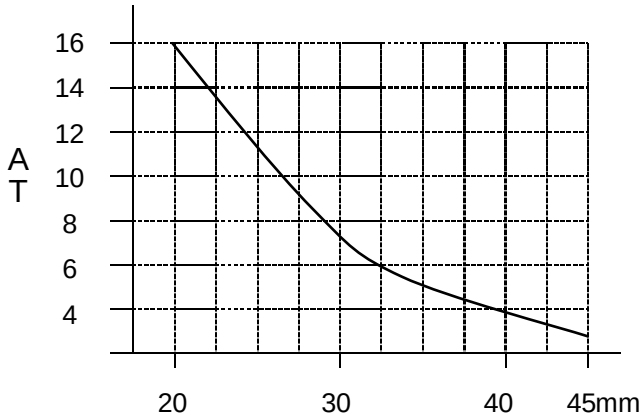
REED SWITCH

Change in PULL IN Vs Lead Length
Increase in PULL IN



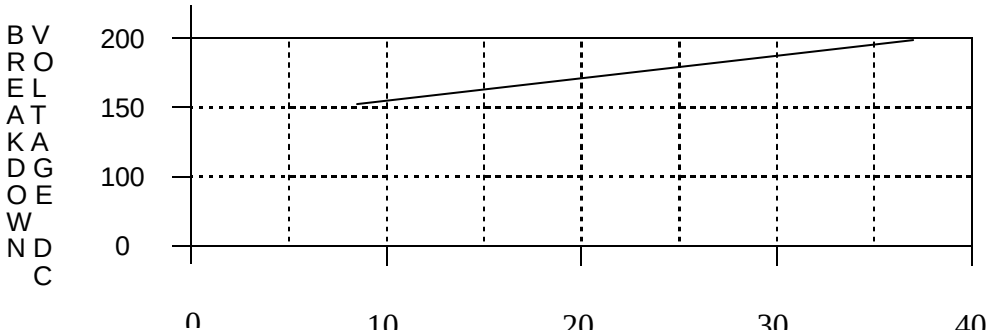
Length after cropping

Change in DROP OUT Vs Lead Length
Increase in DROP OUT



Length after cropping

Breakdown Voltage Vs PULL IN(AT)



PULL IN(AT)

MINIMUM LIFE EXPECTANCY

Load	5VDC 2mA	10VDC 0.5A	12VDC 5mA	24VDC 5mA	100VDC 10mA
Life	100×10^6	0.5×10^6	10×10^6	2×10^6	0.5×10^6

END OF LIFE DEFINITION
1. 1 ohm Contact Resistance above 1 ohm
2. Failure to open (sticking)