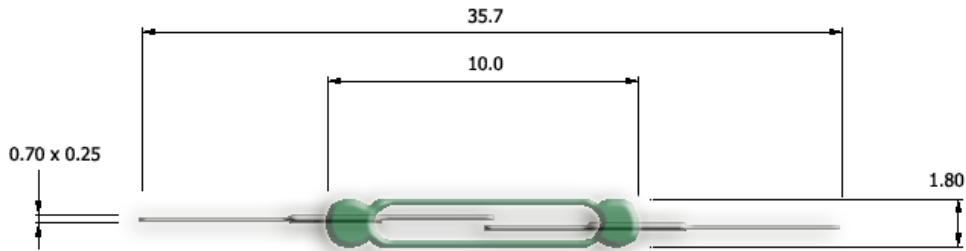


# MM-1018 Micro-miniature Reed Switch

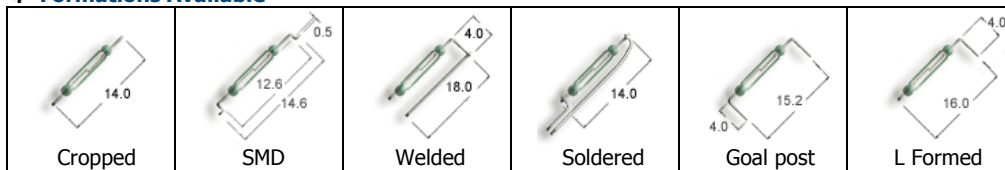
Form A, Center Contact, Release AT Configurable



All dimensions in mm

This 10mm long, form A reed switch is designed for low power, high speed switching applications, and has a cost advantage over the UM-0018 Ultra-miniature series. The flattened lead outs are useful for orienting the internal blades to face one way while soldering, welding etc., for maximum in-group sensitivity, and the three different differential types available, cover a wide range of release specific applications. This reed switch is Lead (Pb) free and RoHS compliant.

### Formations Available



### Applications

This reed switch is suitable for use in the following applications and many others: Microphones, reed relays, power showers, vibration sensors, sewing machines, automobile crash sensors, defective lamp detection, pressure gauges, vane sensors, fuel pumps, electric fishing reels, pedometers, board games...

### Electrical

Sub code		L	M	H
Operate Range	AT	10-40	10-40	10-40
Release Range	AT	4-20	6-25	7.5-30
Contact Rating (max)	W/ VA	10.0	10.0	10.0
Switching Current (max)	A	0.5	0.5	0.5
Carry Current (max)	A	0.75	0.75	0.75
Switching Voltage (max)	V <sub>DC</sub>	100	100	100
Switching Voltage (max)	V <sub>AC</sub>	70	70	70
Breakdown Voltage	V <sub>DC</sub>	200	200	200
Initial Contact Resistance (max)	mΩ	100	120	150
Insulation Resistance (min)	Ω	10 <sup>9</sup>	10 <sup>9</sup>	10 <sup>9</sup>
Capacitance (min)	pF	0.2	0.2	0.2

### Miscellaneous

Operate Time (max)	ms	0.35
Bounce Time (max)	ms	0.3
Release Time (max)	ms	0.15
Resonance Frequency	Hz	>2000
Operating Frequency	Hz	500
Operating Temperature	°C	-40 to +120
Test Coil		717 102 003
Lead out plating		Sn (Pb free)
Shock Resistance	g	30
Vibration (10-2000Hz)	g	20

### Ordering Code

MM-1018-(Sub Code)-(Start Operate AT)-(Finish Operate AT)

### Example MM-1018-M-10-14

Denotes 10-14 Operate AT band, with a minimum Release AT of 6.

### Other Configurations Available

Dynamic contact resistance limit, Higher insulation resistance, Special release limits, Gold plates leads

Please refer to our reed switch [usage notes](#)

Due to continual improvement, specifications are subject to change without notice

[www.reed-sensor.com](http://www.reed-sensor.com)

10 May 2008