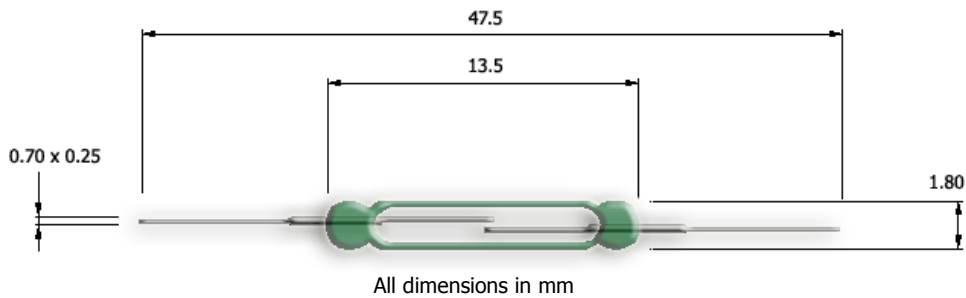


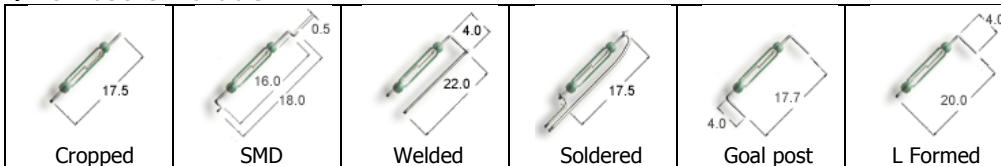
# RM-1318 Reduced-miniature Reed Switch

Form A, Center Contact, Release AT Configurable



This reed switch is designed for applications where a size restriction is present, but higher load switching and current carrying capability is required. The blades have a good flexibility, for fast operation and good contact force, and can carry up to 1.5 A. The flattened leads are useful for orienting the internal blades to face one way while soldering, welding etc., for maximum in-group sensitivity. The three differential ranges 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: radio transmitters, instant water heaters, defective lamp detection, inclination sensors, pressure gauges, lake current measurement, fuel pumps, electric fishing reels, LEGO sensors...

## 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	1.50	1.50	1.50
Switching Voltage (max)	V <sub>DC</sub>	180	180	180
Switching Voltage (max)	V <sub>AC</sub>	130	130	130
Breakdown Voltage (Min)	V <sub>DC</sub>	200	200	200
Initial Contact Resistance (max)	mΩ	100	120	150
Insulation Resistance (min)	Ω	10 <sup>11</sup>	10 <sup>11</sup>	10 <sup>11</sup>
Capacitance (min)	pF	0.2	0.2	0.2

## Miscellaneous

Operate Time (max)	ms	0.5
Bounce Time (max)	ms	0.15
Release Time (max)	ms	0.15
Resonance Frequency	Hz	>2000
Operating Frequency	Hz	500
Operating Temperature	°C	-40 to +200
Test Coil		717 102 004
Lead out plating		Sn (Pb free)
Shock Resistance	g	30
Vibration (10-2000Hz)	g	20

## Ordering Code

RM-1318-(Sub Code)-(Start Operate AT)-(Finish Operate AT)

### Example RM-1318-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)

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