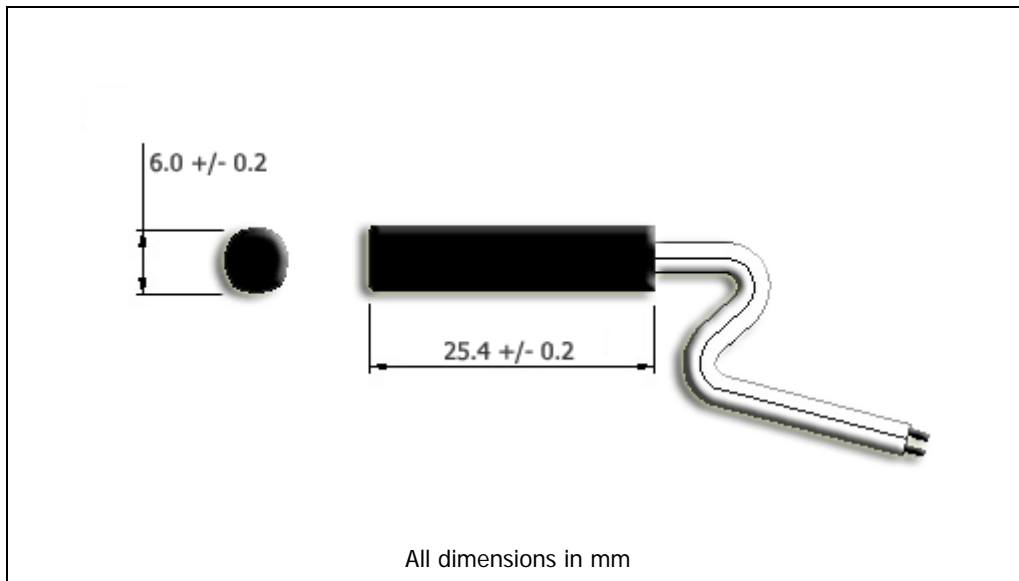


## TRS-W Thermal Reed Sensor

Normally closed contact, 10 W



- ◆ Switching range available from 25°C to 130°C with +/- 3°C tolerance
- ◆ Does not require external power for operation
- ◆ Normally closed (NC) contact
- ◆ Temperature differential of 10°C max
- ◆ Lead (Pb) free and RoHS compliant

### 🔧 Applications

This thermal reed sensor is suitable for use in the following applications and in many others: overheat protection of power electronics, instant water heaters, deep freezers, coolers...

### 📊 Specification

Temperature tolerance	°C	±3
Contact Form		B
Contact Rating (max)	W / VA	10.0
Switching Current (max)	A	0.5
Carry Current (max)	A	1.0
Switching Voltage (max)	V <sub>DC</sub>	180
Switching Voltage (max)	V <sub>AC</sub>	130
Breakdown Voltage (min)	V <sub>DC</sub>	200
Initial Contact Resistance (max)	mΩ	150
Operating Temperature	°C	-20 to (cut-out + 20)
Shock Resistance (½Sin wave for 11ms)	g	30
Vibration Resistance (10-2000Hz)	g	20

### 🏷️ Ordering Code

TRS-W-(Cut out temperature in °C)-(Cable length in mm)-(Lead type)

Cut Out Temperature	Lead Type
25°C to 130°C	S. Stripped to 5 mm
	T. Stripped to 5 mm and Tinned
	M. Molex Connector

### 📝 Example

TRS-W-50-500-M

TRS-W denotes a release of 50°C, having a 500 mm cable length and Molex connectors.

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

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

25 December 2006