

## PMC-1001TS



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Standard SMD Reed Switch  
pitch 11.8 mm

### Electrical Characteristics @ 25 °C

Contact form		A
Contact material		Ru
Contact rating max.	W / VA	10
Switching voltage max.	VDC	180
	VAC	130
Switching current max.	A	0.7
Carry current max.	A	1
Breakdown voltage min.	VDC	200
Contact resistance max. (initial)	mΩ	200
Insulation resistance min.	Ω	10 <sup>9</sup>

### Magnetical Characteristics (of unmodified Reed Switch) @ 25 °C

Pull in range available	AT	10 - 25
Drop out min.	AT	4
Test coil	TC	010
Test equipment tolerance	± AT	2

### Operating Characteristics @ 25 °C

Switching frequency max.	Hz	500
Resonant frequency typ.	Hz	5000
Operate time max. (incl. bounce)	ms	0.5
Release time max.	ms	0.3

### Environmental Characteristics

Operating temperature	°C	-40 to +125
Storage temperature	°C	-40 to +125
Soldering temperature max.	°C	300
Vibration (50-2000 Hz)	g	20
Shock (1/2 sin 11 ms)	g	100
Lead tensile strength min.	kg	3

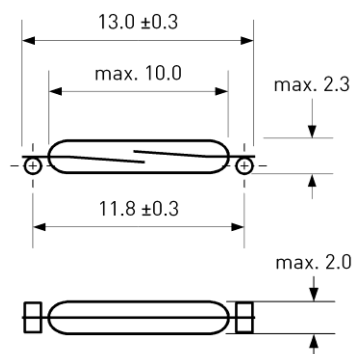
### Features

- Small size
- Minimum height above PCB
- Over 1 billion reliable operations at dry circuits or low level loads
- Suitable for lead-free soldering
- Suitable for automated assembly
- Tape & reel packaging
- Various sensitivity ranges available

### Approvals



### Dimensions in mm



Position of contact blades not defined.

### Ordering Information

Packing Unit	5000 pcs
Weight per piece	0.06 g
Weight per package	800 g
Reel size	13 inches
Standard AT ranges	

10 to 15 AT  
15 to 20 AT  
20 to 25 AT

### Ordering example

PMC-1001TS1520 describes  
PMC-1001TS with 15 to 20 AT.

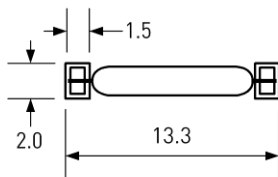
## PMC-1001TS



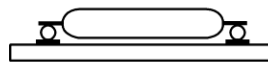
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### Recommended PCB Layout in mm

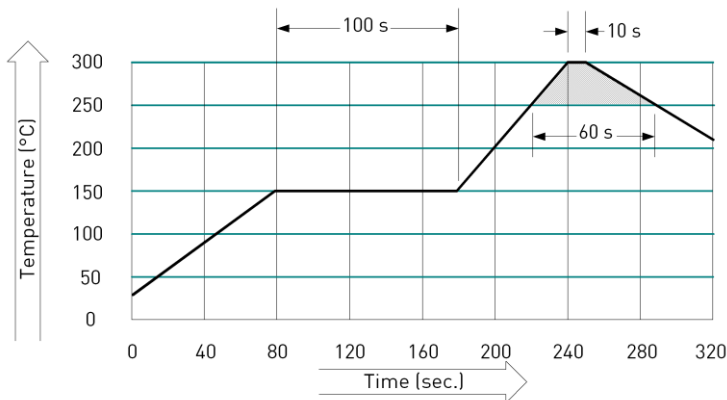


Pad sizes



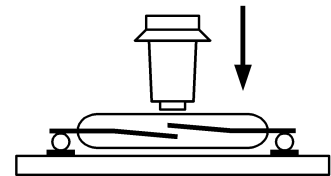
Final assembly position

### Soldering Information



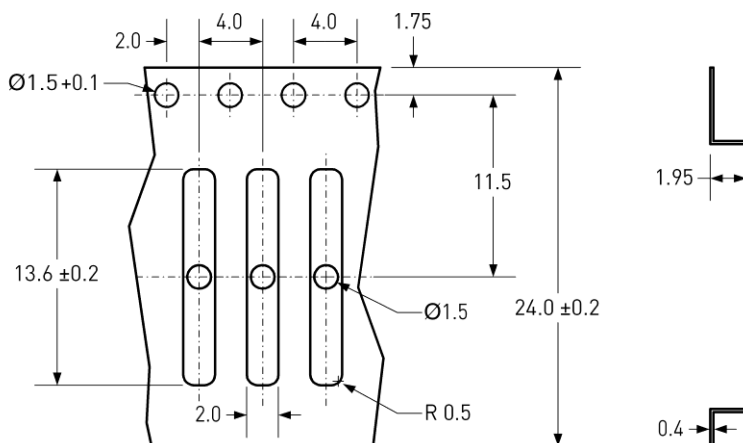
### Mounting Force

Recommended Mounting Force	3 N
Maximum Mounting Force	10 N



### Tape Dimensions in mm

Tolerance  $\pm 0.1$  unless otherwise specified



### Remarks

When placed onto ferromagnetic parts switching distance of PMC-1001TS may reduce.

Electromagnetical influences and magnetic fields may change the switching behaviour of the SMD Reed Switch.