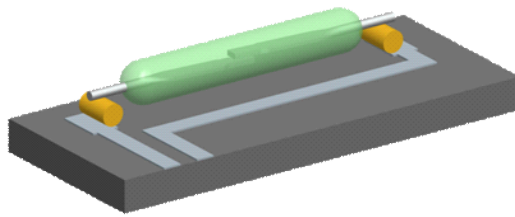


## PMC-1424TS



## PMC-1424TS

Standard SMD Reed Switch  
pitch 17.0 mm

### Electrical Characteristics

@ 25 °C

Contact form		A
Contact material		PGM*
Contact rating max.	W / VA	10
Switching voltage max.	VDC	200
	VAC	140
Switching current max.	A	0.5
Carry current max.	A	1
Breakdown voltage min.	VDC	250
Contact resistance max. (initial)	mΩ	150
Insulation resistance min.	Ω	10 <sup>10</sup>

\*PGM = Platinum Group Metal

### Magnetical Characteristics (of unmodified Reed Switch)

@ 25 °C

Pull in range available	AT	10 - 30
Drop out min.	AT	4
Test coil	TC	086
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	0.4
Release time max.	ms	0.05

### Environmental Characteristics

Operating temperature	°C	-40 to +125
Storage temperature	°C	-40 to +125
Soldering temperature max.	°C	300
Vibration (50-2000 Hz)	g	50
Shock (1/2 sin 11 ms)	g	50
Lead tensile strength min.	kg	4

### Features

- Small size
- Minimum height above PCB
- Suitable for lead-free soldering
- Over 1 billion reliable operations at dry circuits or low level loads
- Perfect economical alternative to Hall switches
- Suitable for automated assembly
- Tape & reel packaging

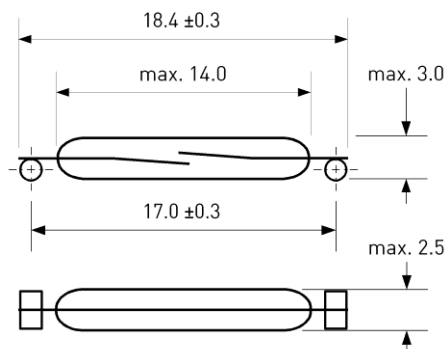
### Approvals

RoHS

REACH

UL US

### Dimensions in mm



Position of contact blades not defined.

### Ordering Information

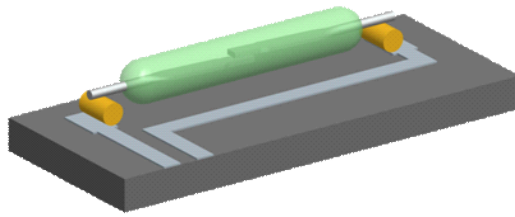
Packing Unit	2500 pcs
Weight per piece	0.2 g
Weight per package	780 g
Reel size	13 inches
Standard AT ranges	

10 to 15 AT  
15 to 20 AT  
20 to 25 AT  
25 to 30 AT

### Ordering example

PMC-1424TS1520 describes  
PMC-1424TS with 15 to 20 AT.

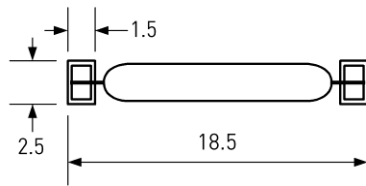
## PMC-1424TS



## PMC-1424TS

Standard SMD Reed Switch  
pitch 17.0 mm

### Recommended PCB Layout in mm

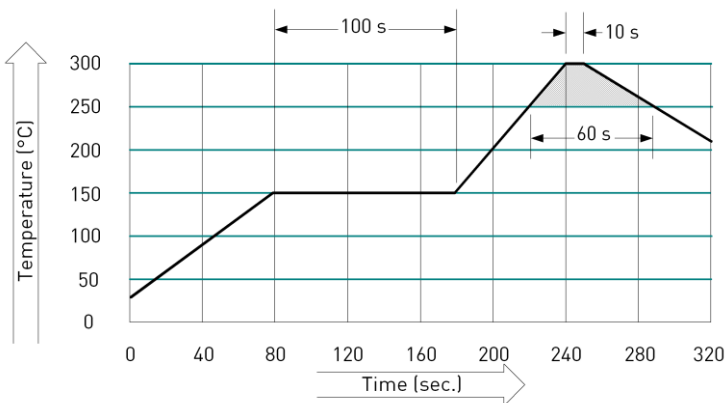


Pad sizes



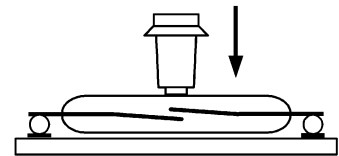
Final assembly position

### Soldering Information



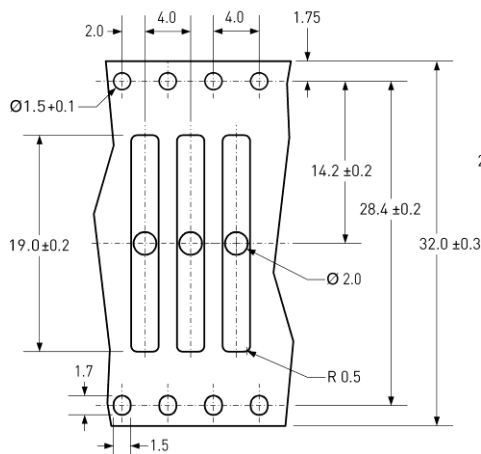
### Mounting Force

Recommended Mounting Force	3 N
Maximum Mounting Force	8 N



### Tape Dimensions in mm

Tolerance  $\pm 0.1$  unless otherwise specified



### Remarks

When placed onto ferromagnetic parts switching distance of PMC-1424TS may reduce.

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