

## PMC-1001F



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Standard SMD Reed Switch

### 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 +60
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

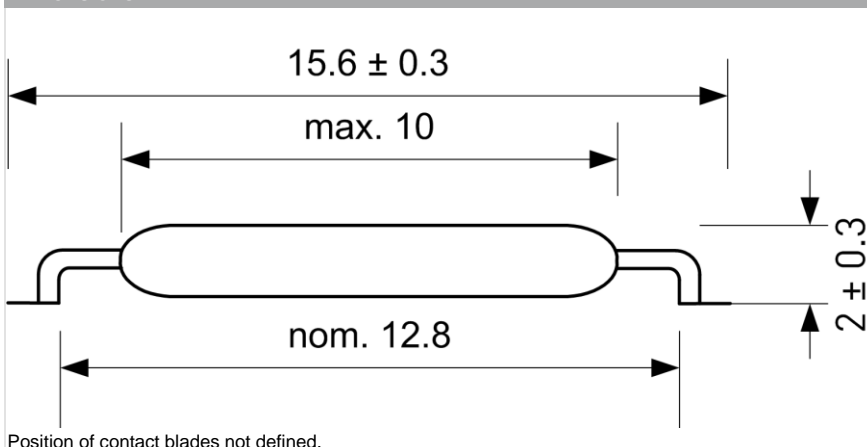
- > typ. Load resistive
- > Over 1 billion reliable operations at dry circuits or low level loads
- > Zero power consumption
- > Not ESD sensitive
- > hermetically sealed: nC
- > Suitable for automated assembly
- > Tape & reel packaging

### Approvals



Contact PIC for Agency Ratings!

### Dimensions in mm



### Ordering Information

Packing Unit	2500 pcs
Weight per piece	0.06 g
Weight per package	1000 g
Reel size	13 inches
Standard AT ranges	

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

### Ordering example

PMC1001F1015 describes PMC-1001F with 10-15 AT.

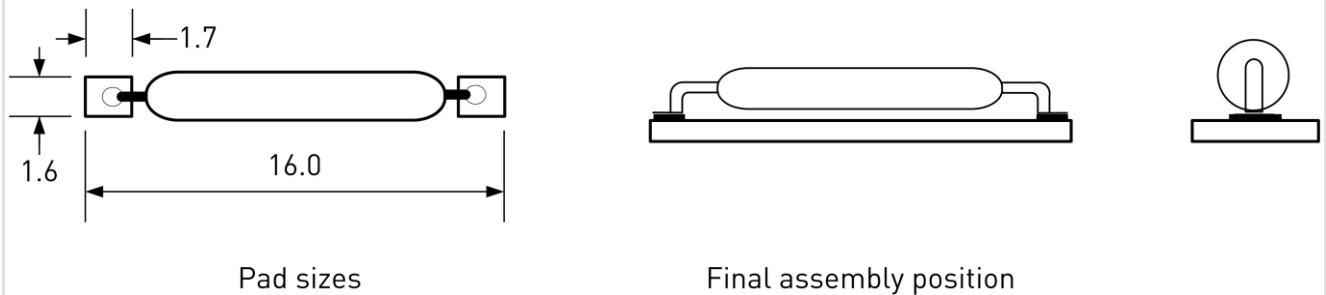
## PMC-1001F



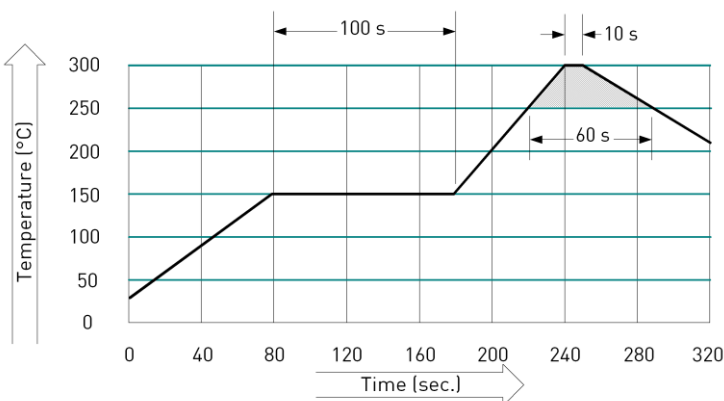
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### Recommended PCB Layout in mm

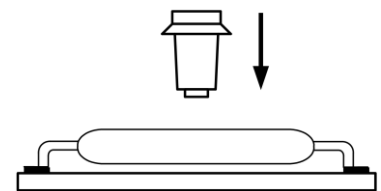


### Soldering Information



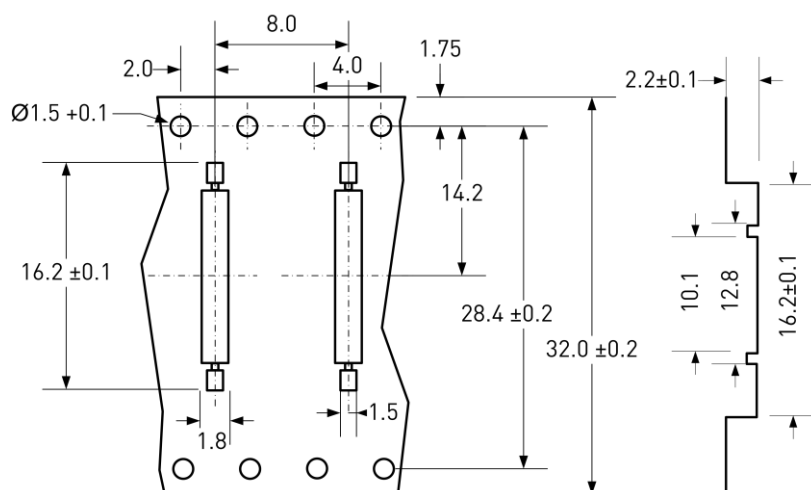
### Mounting Force

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-1001F may reduce.

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