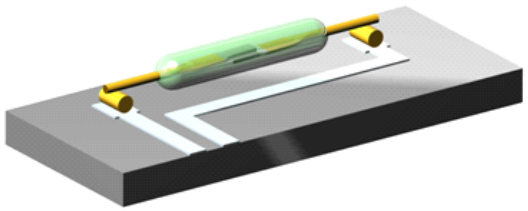
PIC
SWITCHING THE SMART WAY



PMC-1001T

Standard SMD Reed Switch
pitch 15.0 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	10^9

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

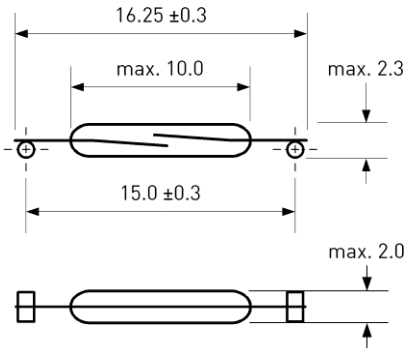
Approvals

RoHS

REACH

cULus

Dimensions in mm



Position of contact blades not defined.

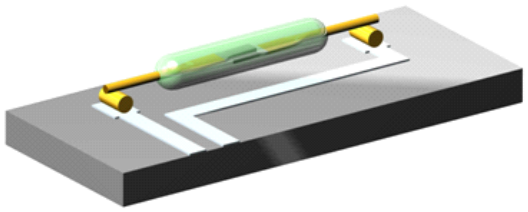
Ordering Information

Packing Unit	5000	pcs
Weight per piece	0.07	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-1001T1520 describes
PMC-1001T with 15 to 20 AT.

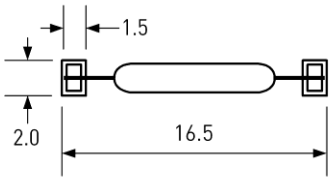
PIC Proximity Instrumentation Controls
Kontaktbauelemente GmbH
Nibelungenstr. 5 A
90530 Wendelstein, Germany
Phone +49 9129 90 70 89-0
Fax +49 9129 90 70 89-99
info@pic-gmbh.com
www.pic-gmbh.com



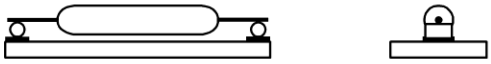
PMC-1001T

Standard SMD Reed Switch
pitch 15.0 mm

Recommended PCB Layout in mm

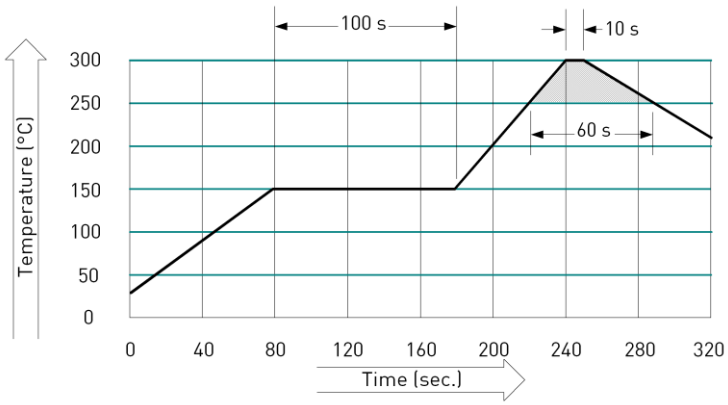


Pad sizes



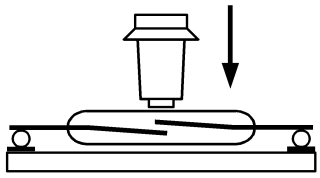
Final assembly position

Soldering Information



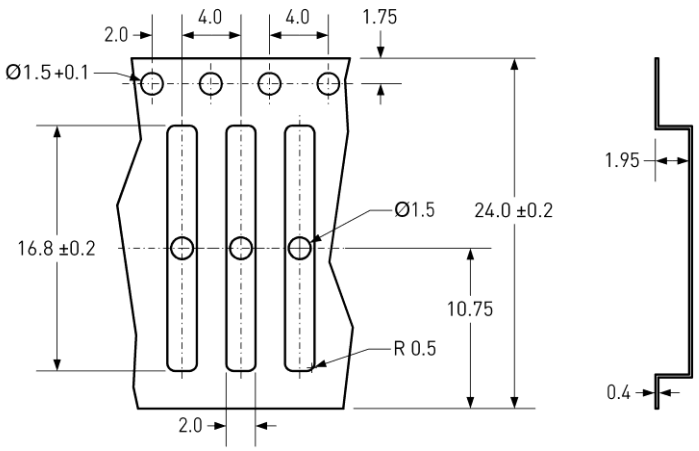
Mounting Force

Recommended Mounting Force	3 N
Maximum Mounting Force	8 N



Tape Dimensions in mm

Tolerance ±0.1 unless otherwise specified



Remarks

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

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

PIC Proximity Instrumentation Controls
Kontaktbauelemente GmbH
Nibelungenstr. 5 A
90530 Wendelstein, Germany
Phone +49 9129 90 70 89-0
Fax +49 9129 90 70 89-99
info@pic-gmbh.com
www.pic-gmbh.com