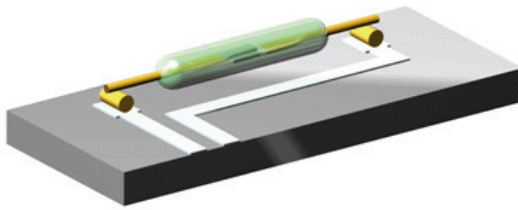


PMC-1001T



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

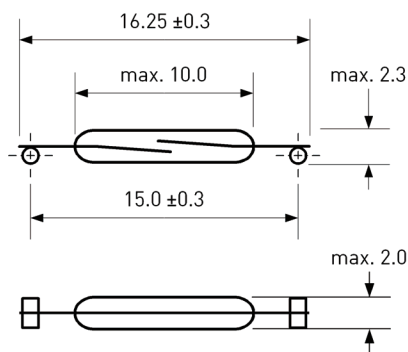
Approvals

RoHS

REACH

CE US

Dimensions in mm



Position of contact blades not defined.

Ordering Information

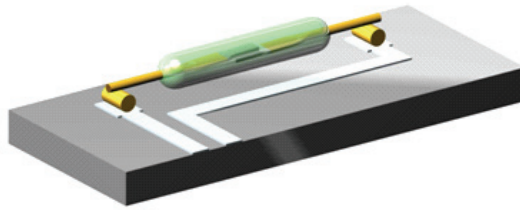
| | |
|--------------------|-----------|
| Packing Unit | 5000 pcs |
| Weight per piece | 0.07 g |
| Weight per package | 800 g |
| Reel size | 13 inches |
| Standard AT ranges | |

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

Ordering example

PMC-1001T1520 describes
PMC-1001T with 15 to 20 AT.

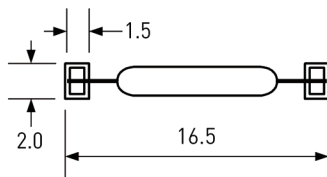
PMC-1001T



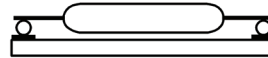
PMC-1001T

Standard SMD Reed Switch
pitch 15.0 mm

Recommended PCB Layout in mm



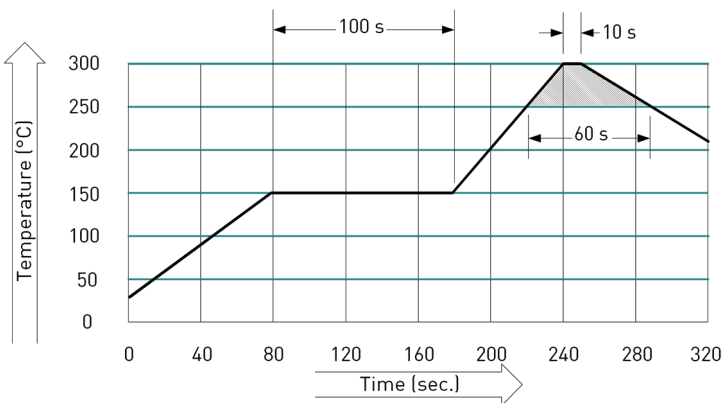
Pad sizes



Final assembly position

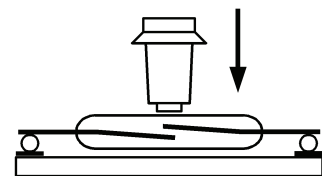


Soldering Information



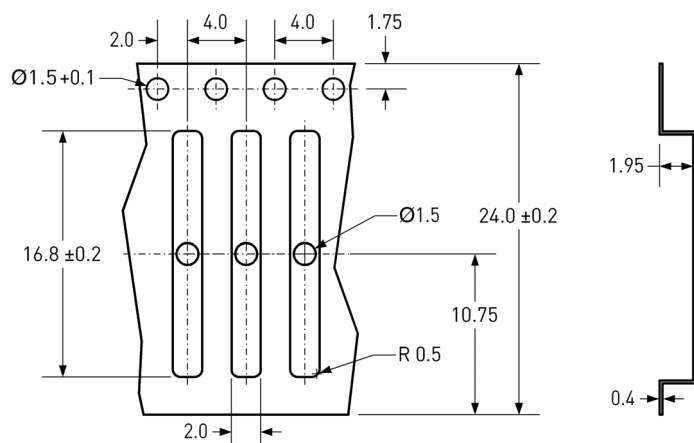
Mounting Force

| | |
|----------------------------|------|
| Recommended Mounting Force | 3 N |
| Maximum Mounting Force | 10 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.