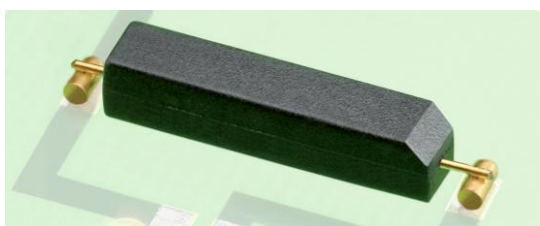


PMC-1001THY



PMC-1001THY

SMD Normally Closed Reed Switch

Electrical Characteristics

@ 25 °C

Contact form		B
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	0 - 0
Drop out min.	AT	
Test coil	TC	301
Test equipment tolerance	± AT	1

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	255
Vibration (50-2000 Hz)	g	20
Shock (1/2 sin 11 ms)	g	100
Lead tensile strength min.	kg	3

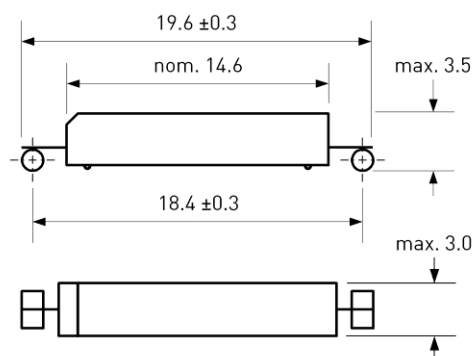
Features

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

Approvals



Dimensions in mm



North Pole mark = chamfered edge

Ordering Information

Packing Unit	2000	pcs
Weight per piece	0.3	g
Weight per package	800	g
Reel size	13	inches
Standard AT ranges		

Ordering example

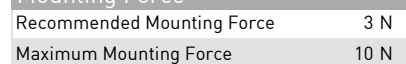


Recommended PCB Layout in mm

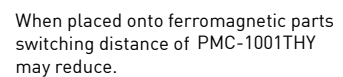


Final assembly position

Mounting Force



Remarks



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

Please pay attention to MSL instructions as per label on reel.