

PMC-2003



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Wide Hysteresis 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	1
Carry current max.	A	2
Breakdown voltage min.	VDC	250
Contact resistance max. (initial)	mΩ	150
Insulation resistance min.	Ω	10 ⁹

Features

- Standard size with 20 mm glass length
- typ. Load resistive
- Hermetically sealed: nC
- Wide differential type

Magnetical Characteristics (of unmodified Reed Switch) @ 25 °C

Pull in range available	AT	30 - 50
Drop out min.	AT	45 - 60 % of PI
Test coil	TC	020
Test equipment tolerance	± AT	2

Operating Characteristics @ 25 °C

Switching frequency max.	Hz	400
Resonant frequency typ.	Hz	2400
Operate time max. (incl. bounce)	ms	1
Release time max.	ms	0.4

Environmental Characteristics

Operating temperature	°C	-40 to +125
Vibration (50-2000 Hz)	g	20
Shock (1/2 sin 11 ms)	g	50

Life Expectancy

Resistive load	Voltage	Current	Operations
	5 VDC	0,01 A	3 x 10 ⁶
	24 VDC	0,25 A	1 x 10 ⁶

Approvals



Ordering Information

Packing Unit	600 pcs
Weight per piece	0.33 g
Weight per package	230 g
Standard AT ranges	

30 to 35 AT
 35 to 40 AT
 40 to 45 AT
 45 to 50 AT

Ordering example

PMC-20033035 describes PMC-2003 with 30 to 35 AT.

Dimensions in mm

