PIC
SWITCHING THE SMART WAY



HSR-0025RT

Micro Reed Switch

Electrical Characteristics @ 25 °C

Contact form		A
Contact material		Rh
Contact rating max.	W / VA	0.25
Switching voltage max.	VDC	30
	VAC	20
Switching current max.	A	0.01
Carry current max.	A	0.7
Breakdown voltage min.	VDC	80
Contact resistance max. (initial)	mΩ	750
Insulation resistance min.	Ω	10 [11]

Features

- World´s smallest Reed Switch!
- Micro Reed Switch with 4 mm glass length
- Smallest size for applications in medical devices
- Various sensitivity ranges available

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

Pull in range available	AT	4 - 15
Drop out min.	AT	1
Test coil	TC	091
Test equipment tolerance	± AT	1

Approvals

RoHS

REACH

Operating Characteristics @ 25 °C

Switching frequency max.	Hz	900
Resonant frequency typ.	Hz	10000
Operate time max. (incl. bounce)	ms	0.3
Release time max.	ms	0.2

Environmental Characteristics

Operating temperature	°C	-40 to + 125
Vibration (50-2000 Hz)	g	15
Shock (1/2 sin 11 ms)	g	75

Life Expectancy

Resistive load	Voltage	Current	Operations
	5 VDC	0,01 A	1 x 10 [7]
	10 VDC	0,1 A	5 x 10 [5]

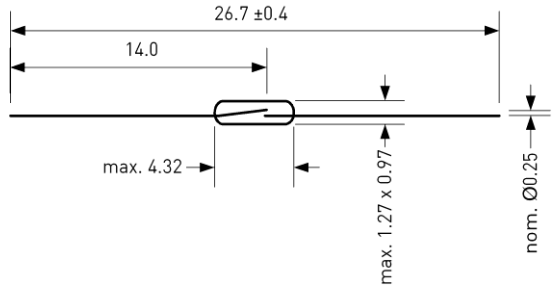
Ordering Information

Packing Unit	100	pcs
Weight per piece	0.017	g
Weight per package	12	g
Standard AT ranges		
	4 to 8	AT
	5 to 10	AT
	10 to 15	AT

Ordering example

HSR0025RT1015 describes
HSR-0025RT with 10 to 15 AT.

Dimensions in mm



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