

HSR-V7K



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High Voltage Reed Switch

Electrical Characteristics

@ 25 °C

Contact form		A
Contact material		W*
Contact rating max.	W / VA	50
Switching voltage max.	VDC	4000
	VAC	2800
Switching current max.	A	3
Carry current max.	A	4.5
Breakdown voltage min.	VDC	7000
Contact resistance max. (initial)	mΩ	150
Insulation resistance min.	Ω	10 ¹⁰

*Minimum load for contact material W: 3 Watts !

Magnetical Characteristics (of unmodified Reed Switch)

@ 25 °C

Pull in range available	AT	60 - 125
Drop out min.	AT	20
Test coil	TC	093
Test equipment tolerance	± AT	3

Operating Characteristics

@ 25 °C

Switching frequency max.	Hz	50
Resonant frequency typ.	Hz	300
Operate time max. (incl. bounce)	ms	4
Release time max.	ms	1

Environmental Characteristics

Operating temperature	°C	-60 to +125
Vibration (50-2000 Hz)	g	30
Shock (1/2 sin 11 ms)	g	100

Life Expectancy

Resistive load	Voltage	Current	Operations
	24 VDC	2 A	1 x 1 #
	5000 VDC	0.01 A	1 x 1 #

Features

- Form A switch (normally open type)
- Switching voltage 4 kV
- Various sensitivity ranges available
- Breakdown voltage min. 7,000 VDC

Approvals

RoHS

REACH

Ordering Information

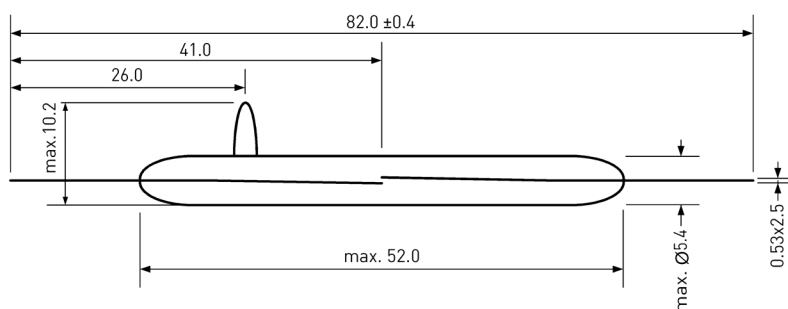
Packing Unit	100 pcs
Weight per piece	2.3 g
Weight per package	392 g
Standard AT ranges	

60 to 70 AT
70 to 80 AT
80 to 90 AT
90 to 100 AT
100 to 110 AT
110 to 120 AT
120 to 125 AT

Ordering example

HSR-V7K6070 describes HSR-V7K with 60 to 70 AT.

Dimensions in mm



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