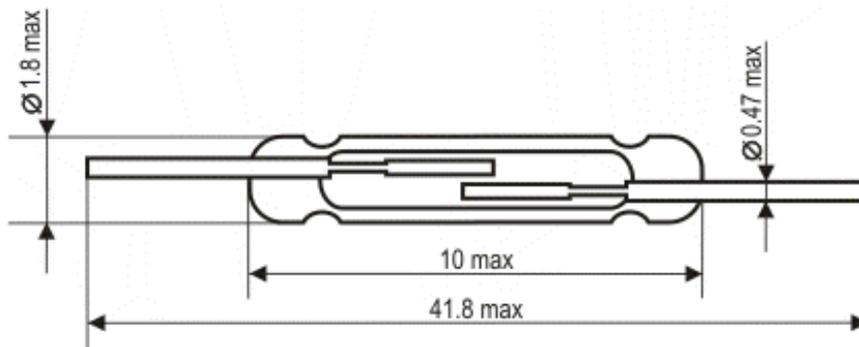


Specifications for MKA-10110



Contact form	1A
Contact material	Ru
Maximum switching power , W	10
Maximum switching voltage , V	100
Maximum switching current, A	0,5
Pull in , AT	8-35
Drop out, AT min	4
Contact resistance, Ohm max	0,1
Breakdown voltage, V dc min	150
Insulation resistance, Ohm min.	10^9
Operate time, ms max.	0,5
Release time, ms max.	0,3
Capacitance, pF max	0,5
Resonant frequency, Hz min	5000
Operate temperature range, °C	-60...+125
High humidity at T=35°C, % max.	98
Test coil:	Number of turns 5000
	Resistance, Ohm 580
UL file#	E229065

Customized switches are available upon request:

- with close PI values;
- with cut, bent, flat leads;

Life expectancy and reliability

Test modes:

- 24 V – 250 mA – 1×10^5 operations min. at operation frequency of 50 Hz with failure rate $3,3 \cdot 10^{-7}$ oper⁻¹. min., confidence level of 60%.

- 5 V – 10 mA – 5×10^6 operations min. at operation frequency of 100 Hz with failure rate $6,7 \cdot 10^{-9}$ oper⁻¹. min., confidence level of 60%.
- 50 mV – 5 μ A – 5×10^6 operations min. at operation frequency of 100 Hz with failure rate $6,7 \cdot 10^{-9}$ oper⁻¹. min., confidence level of 60%.

These data are valid for a coil energized at 1.5 times stated max. operate value.

Shock

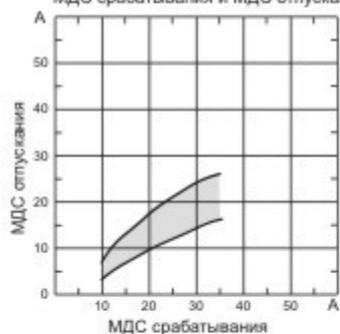
Reed switches are immune to mechanical shocks with peak shock acceleration of 150 g and impulse duration of 1 ms.

Vibration

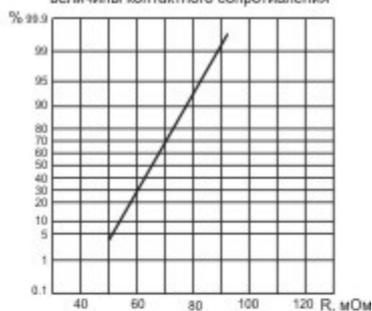
Reed switches are immune to sinusoidal vibration at 1-2000 Hz and acceleration amplitude of 10 g.

МКА-10110

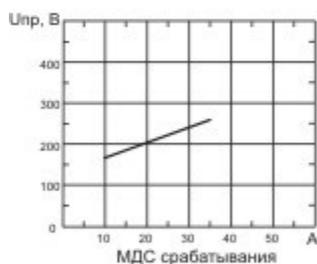
(1) Диапазон (зона) соотношений МДС срабатывания и МДС отпущения



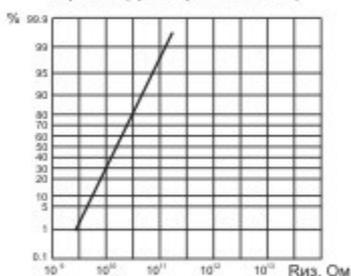
(2) Статистическое распределение (в %) величины контактного сопротивления



(3) Зависимость электрической прочности изоляции от МДС срабатывания



(4) Статистическое распределение (в %) величины сопротивления изоляции герконов (при напряжении 100 В)



(5) Статистическое распределение (в %) величины предела прочности герконов на разрыв

