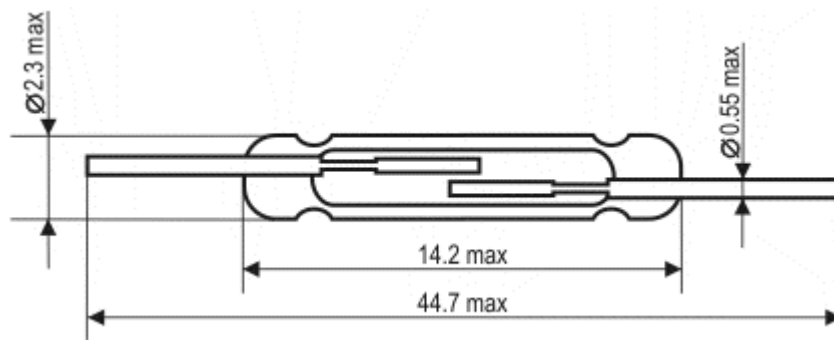




### Specifications for MKA-14103

|                                               |                         |
|-----------------------------------------------|-------------------------|
| Contact material                              | Ru                      |
| Maximum switching power, W                    | 10                      |
| Maximum switching voltage, V                  | 100                     |
| Maximum switching current, A                  | 0.5                     |
| Maximum carrying current, A                   | 1.0                     |
| Pull in, AT                                   | 10-35                   |
| Drop out, AT min.                             | 5                       |
| Contact resistance, Ohm max.                  | 0.1                     |
| Breakdown voltage, V dc.                      | 220 min<br>250 max      |
| Insulation resistance, Ohm min.               | $10^{10}$               |
| Operate time, ms max.                         | 1.0                     |
| Release time, ms max.                         | 0.4                     |
| Capacitance, pF max.                          | 0.7                     |
| Resonant frequency, Hz min.                   | 4000                    |
| Operate temperature range, $^{\circ}\text{C}$ | -60 ~ +155              |
| High humidity, % max.                         | 98                      |
| Operation frequency, Hz max.                  | 100                     |
| Test coil:                                    | Number of turns<br>5000 |
|                                               | Resistance, Ohm<br>870  |
| UL file#                                      | E229065                 |

**Test modes:**

- 5V-10mA- $1 \times 10^8$  operations min. at operation frequency of 100 Hz with failure rate  $3.3 \times 10^{-10}$  oper<sup>-1</sup>. min., confidence level of 60%.
- 24V-400mA- $5 \times 10^5$  operations min. at operation frequency of 50 Hz with failure rate  $6.7 \times 10^{-8}$  oper<sup>-1</sup>. 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 1ms.

**Vibration**

Reed switches are immune to sinusoidal vibration at 1-2000 Hz and acceleration amplitude of 20 g.