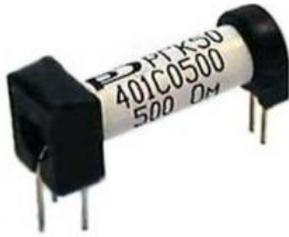


# Form C reed relay

## RGK50



Electromagnetic low-power miniature reed relay with one contact for switching. It is meant for switching electric circuit of direct and alternating current with frequency up to 10 kHz in communication devices, telemetry, informatics etc.

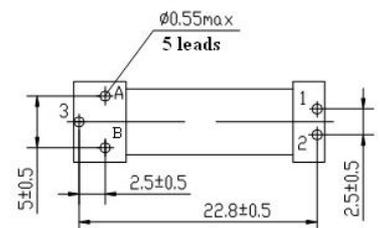
The relay has an open case with drive winding on a special frame and can operate with micrologic units of TTL, Shottky, C-MOS Series.

### Specifications

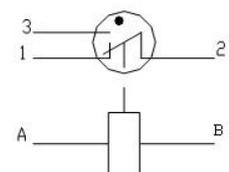
Overall dimensions, max	mm	24 x 7,8 x 10					
Relay leads length / diameter	mm	5±0.5 / Ø0.55max					
Operating voltage, ±10%	V	3	5	12	24		
Pull-in voltage, max	V	2,0	3,2	8,0	16,0		
Drop-out voltage, min	V	0,8	1,0	1,0	2,0	2,7	
Winding resistance, ±10%	Ohms	500	500	750	1100	2500	2500
Control current (reference value)	mA	6	10	6,7	11	4,8	9,6
Switching power, max	W/VA	4/4					
Switching current range	A	5·10 <sup>-6</sup> ... 0,25					
Switching voltage range	V	0,05 ... 60					
Resistance, max	Ohms	0,15					
Insulation resistance (N.C./N.O.), min	MOhms	20/1000					
Breakdown voltage, min							
• between open contacts of relay	V <sub>AC</sub> /	140/200					
• between contacts and relay winding	V <sub>DC</sub>	500/700					
Operate time, max	msec	0,5					
Release time, max	msec	2,0					
Life (depending on mode conditions)	-	1·10 <sup>4</sup> ... 1·10 <sup>7</sup>					
Sinusoidal vibration (1-2000)Hz, max	g	10					
Mechanical shock							
• single-shock, duration (10-50)msec	g	20					
• multiple-shock, duration (2-15)msec		15					
Linear acceleration, max	g	10					
Operating temperature range	°C	-40 ... +85					
High humidity at +25 °C, max	%	98					
Weight, max	g	5,8	2,2	2,8	1,4	1,9	1,9

The manufacturer guarantees quality conformance of the relay to engineering specification provided customer complies with storage, transportation, assembly and service conditions.

#### Arrangement of leads



#### Electrical schematic circuit



Information could be subject to changes. For details please contact marketing department.

16.09.2011

[www.rmcp.ru](http://www.rmcp.ru)



**JSC "RYAZAN METAL CERAMICS INSTRUMENTATION PLANT"**

Russia, 390027, Ryazan, Novaya street, 51 «B»

**Marketing:** Tel./Fax: (4912) 24-02-34, e-mail: [marketing@rmcp.ru](mailto:marketing@rmcp.ru)

**Sales:** Fax: (4912) 24-02-34, 44-19-70, 44-68-07

