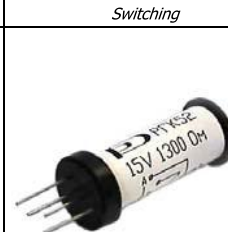


JSC "RYAZAN METAL CERAMICS INSTRUMENTATION PLANT"

Reed switch relays

They are used for electrical circuit switching of direct and alternating current, with frequency up to 10 kHz for communication, automatics, telemetry, informatics and many other applications. Electrical parameters of the represented relays are compatible with domestic and foreign integrated circuits.



Name	RGK49	RGK50	RGK51	RGK52	RGK53	RGK54
Overall dimensions, mm, max	24x7,8x10	24x7,8x10	22,1x5,1x6,4	Ø18x42(67)	22,1x5,1x6,4	Ø18x42(67)
Operating voltage, V, ±10%	3, 5, 12, 24	3, 5, 12, 24	3, 5, 12, 24	15	3, 5, 12, 24	15
Winding resistance, Ohms, ±10%	from 500 to 2500	from 500 to 2500	from 500 to 2500	1300	from 500 to 2500	1300
Control current (reference value), mA	from 4,8 to 11	from 4,8 to 11	from 4,8 to 10	12	from 4,8 to 10	12
Switching power, max, W/VA, max	10/10	4/4	10/10	120	4/4	250
Switching current range, A	5·10 ⁻⁶ ... 0,5	5·10 ⁻⁶ ... 0,25	5·10 ⁻⁶ ... 0,5	0,01 ... 3,0	5·10 ⁻⁶ ... 0,25	0,1 ... 3,0
Switching voltage range, V	0,01 ... 100	0,05 ... 60	0,01 ... 120	5 ... 150	0,05 ... 60	36 ... 250
Resistance, Ohms, max	0,15	0,15	0,15	0,3	0,15	0,15
Insulation resistance, MOhms, min	200	20/1000	200	200	200	200
Breakdown voltage, V, min						
• between open contacts of relay	160/220	140/200	160/220	180/250	140/200	350/490
• between contacts and relay winding	500/700	500/700	500/700	500/700	500/700	500/700
Operate time, msec, max	1,0	0,5	1,0	3,0	0,5	2,0
Release time, msec, max	0,5	2,0	0,5	3,0	2,0	2,0
Life (depending on mode conditions)	5·10 ⁵ ... 1·10 ⁷	1·10 ⁴ ... 1·10 ⁷	5·10 ⁵ ... 1·10 ⁷	1·10 ⁴ ... 1·10 ⁶	1·10 ⁴ ... 1·10 ⁷	5·10 ⁴ ... 1·10 ⁶
Sinusoidal vibration, g, max	40	10	40	10	10	10
Mechanical shock, g						
• single- shock	150	20	150	20	20	20
• multiple- shock	40	15	40	15	15	15
Linear acceleration, g, max	20	10	20	10	10	10
Operating temperature range, °C	-40 ... +85	-40 ... +85	-40 ... +85	-40 ... +85	-40 ... +85	-40 ... +85
High humidity at +25 °C, %, max	98	98	98	98	98	98
Weight, g, max	1,4 ... 5,8	1,4 ... 5,8	1,5 ... 2,0	24	1,5 ... 2,0	24

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

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