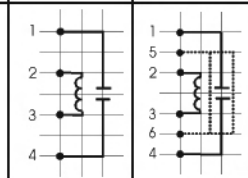


9000 Series / Molded SIP Reed Relays

Model Number			9001 ²	9002 ²
Parameters	Test Conditions	Units	4 Pin SIP	6 Pin SIP
COIL SPECS.				
Nom. Coil Voltage		VDC	5 12	5 12
Max. Coil Voltage		VDC	6.5 15.0	6.5 15.0
Coil Resistance	+/- 10%, 25° C	Ω	500 1000	350 750
Operate Voltage	Must Operate by	VDC - Max.	3.75 9.0	3.75 9.0
Release Voltage	Must Release by	VDC - Min.	0.4 1.0	0.4 1.0
CONTACT RATINGS				
Switching Voltage	Max DC/Peak AC Resist.	Volts	200	200
Switching Current	Max DC/Peak AC Resist.	Amps	0.5	0.5
Carry Current	Max DC/Peak AC Resist.	Amps	1.5	1.5
Contact Rating	Max DC/Peak AC Resist.	Watts	10	10
Life Expectancy-Typical ¹	Signal Level 1.0V, 10.0mA	x 10 ⁶ Ops.	1000	1000
Static Contact Resistance (max. init.)	50mV, 10mA	Ω	0.150	0.150
Dynamic Contact Resistance (max. init.)	0.5V, 50mA at 100 Hz, 1.5 msec	Ω	0.200	0.200
RELAY SPECIFICATIONS				
Insulation Resistance (minimum)	Between all Isolated Pins at 100V, 25°C, 40% RH	Ω	10 ¹²	10 ¹²
Capacitance - Typical Across Open Contacts	No Shield	pF	0.7	-
	Shield Floating	pF	-	0.8
	Shield Guarding	pF	-	0.1
Open Contact to Coil	No Shield	pF	1.4	-
	Shield Floating	pF	-	1.4
	Shield Guarding	pF	-	0.5
Contact to Shield	Contacts Open, Shield Floating	pF	-	1.4
Dielectric Strength (minimum)	Between Contacts	VDC/peak AC	300	300
	Contacts to Shield	VDC/peak AC	-	1500
	Contacts/Shield to Coil	VDC/peak AC	1500	1500
Operate Time - including bounce - Typical	At Nominal Coil Voltage, 30 Hz Square Wave	msec.	0.35	0.35
Release Time - Typical	Zener-Diode Suppression ⁴	msec.	0.1	0.1



Top View:
Dot stamped on relay refers to pin #1
Grid = .1"x.1"
(2.54mm x 2.54mm)

Notes:

- ¹Consult factory for life expectancy at other switching loads.
- ²Optional diode is connected to pin #2 (+) and pin #3(-). Correct coil polarity must be observed.
- ³9000 series part numbers designated with Form B contacts, these relays contain bias magnets. Correct coil polarity must be observed.
- ⁴Consists of 56V Zener diode and 1N4148 diode in series, connected in parallel with coil.

Environmental Ratings:

Storage Temp: -35°C to +100°C; Operating Temp: -20°C to +85°C
Solder Temp: 270°C max; 10 sec. max
The operate and release voltage and the coil resistance are specified at 25°C. These values vary by approximately 0.4% / °C as the ambient temperature varies.
Vibration: 20 G's to 2000 Hz; Shock: 50 G's