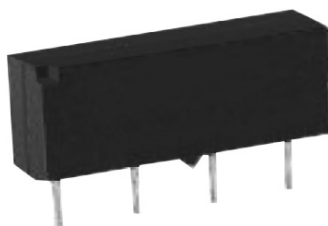
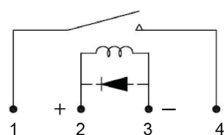


General Purpose SIP Reed Relay

RoHS
Compliant



Schematic View



Features

- SIP 1 Form A 10W molded dry reed relay
- Low cost switching solutions
- Optional internal coil suppression diode

Contact Form: Normally Open / 1 Form A

Coil Data

Nominal Coil Voltage	Nominal Coil Resistance	Max. Operating Voltage	Min. Release Voltage	Max. Coil Voltage
(V DC)	$\pm 10\% \Omega$	(V DC)	(V DC)	(V DC)
5	500	3.75	0.4	7
12	1000	9	1	16
24	2000	18	2	32

Contact Rating

Switching Power (Max.)	: 10W
Switching Voltage (Max.)	: 150V DC
Switching Current (Max.)	: 0.5A
Carrying Current (Max.)	: 1A

Specifications

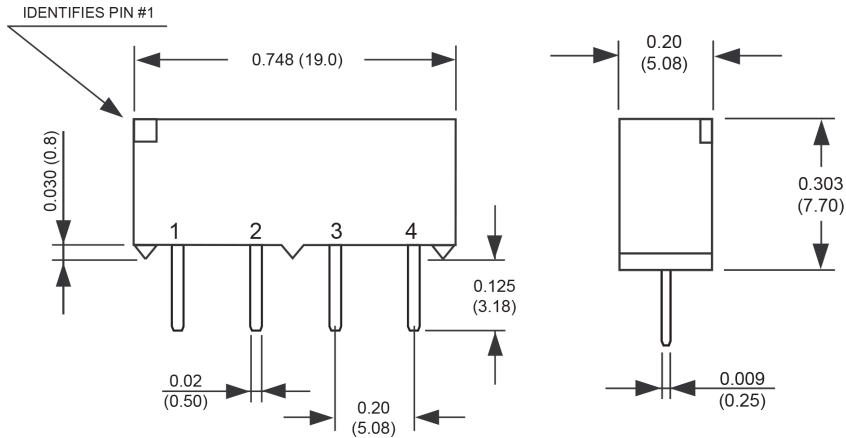
Contact Resistance (Initial) (Max.)	: 200m Ω
Operate Time - Including Bounce Time (Typ.)	: 0.35ms (@ Nominal Voltage)
Release Time (Typ.)	: 0.2ms
Insulation Resistance @ 100V, 20°C, 40% RH	: 10 ¹⁰ Ω (Min.)
Dielectric Strength (Min.)	: Between Open Contacts 200V DC/peak AC Between Coil to Contacts 1500V DC/peak AC
Capacitance Between Open Contacts (Typ.)	: 0.5pF
Vibration	: 20G
Shock	: 20G
Operating Temperature	: -40°C to +85°C
Storage Temperature	: -40°C to +100°C
Life Expectancy @ Specified Load (Typ.)	: 100 × 10 ⁶ ops (1V DC, 10mA)

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General Purpose SIP Reed Relay

Dimensions



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Reed Relay, SPST-NO, 5V DC, 500Ω, 150V DC, 0.5A, THT	MC3570-1331-051
Reed Relay, w/ Diode, SPST-NO, 5V DC, 500Ω, 150V DC, 0.5A, THT	MC3570-1331-053
Reed Relay, w/ Diode, SPST-NO, 12V DC, 1kΩ, 150V DC, 0.5A, THT	MC3570-1331-123
Reed Relay, w/ Diode, SPST-NO, 24V DC, 2kΩ, 150V DC, 0.5A, THT	MC3570-1331-243

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