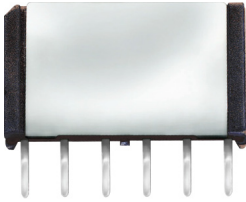
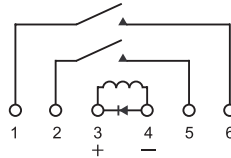


# Instrumentation Grade Mini SIP Reed Relay

RoHS  
Compliant



## Schematic View



## Features

- High reliability instrumentation grade reed switch with sputtered Ruthenium contacts
- 2 Form A relay ideal for high density test matrices
- Standard external magnetic shield
- Coil suppression diode
- High insulation resistance
- Hermetically sealed contacts for long life

Contact Form: 2 Form A (DPST-NO)

## Coil Data

Nominal Coil Voltage (V DC)	Nominal Coil Resistance $\pm 10\% \Omega$	Max. Operating Voltage (V DC)	Min. Release Voltage (V DC)	Max. Coil Voltage (V DC)
5	375	3.8	0.4	7

## Contact Rating

Switching Power (Max.)	: 10W
Switching Voltage (Max.)	: 200V DC
Switching Current (Max.)	: 0.5A
Carrying Current (Max.)	: 1.5A

## Specifications

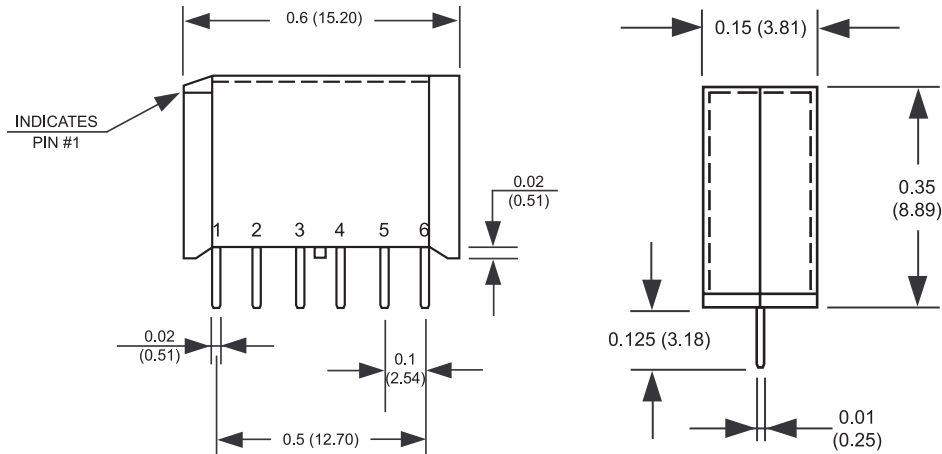
Contact Resistance (Initial) (Max.)	: 150m $\Omega$
Operate Time - Including Bounce Time (Typ.)	: 0.75ms (@ Nominal Voltage)
Release Time (Typ.)	: 0.5ms
Insulation Resistance @ 100V, 20°C, 40% RH	: 10 <sup>12</sup> $\Omega$ (Min.)
Dielectric Strength (Min.)	: Across Contacts 200V DC/peak AC Contacts to Coil 200V DC/peak AC Contacts / Shield to Coil 1500V DC/peak AC
Capacitance Across Open Contacts (Typ.)	: 1pF
Capacitance Open Contacts to Coil (Typ.)	: 1.4pF
Vibration	: 20G
Shock	: 50G
Operating Temperature	: -40°C to +85°C
Storage Temperature	: -40°C to +100°C
Life Expectancy @ Specified Load	: 500 × 10 <sup>6</sup> ops (1V DC, 10mA)

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# Instrumentation Grade Mini SIP Reed Relay

## Dimensions



Dimensions : Inches (Millimetres)

## Part Number Table

Description	Part Number
Reed Relay, w/ External Shield + Diode, DPST-NO, 5V DC, 375Ω, 200V DC, 0.5A, THT	MC3570-1421-054

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