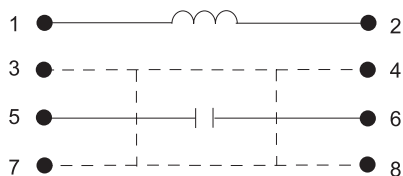


Instrumentation Grade SMD Reed Relay

RoHS
Compliant



Schematic View



Features

- High reliability instrumentation grade reed switch with sputtered Ruthenium contacts for stable contact resistance and long life
- 10W 1 Form A available in Gull Wing lead configuration
- Standard coaxial shield for RF applications up to 6GHz
- External magnetic shield
- High insulation resistance

Contact Form: 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	150	3.8	0.4	6

Contact Rating

Switching Power (Max.)	: 10W
Switching Voltage (Max.)	: 170V DC / 120V AC RMS
Switching Current (Max.)	: 0.5A
Carrying Current (Max.)	: 1A

Specifications

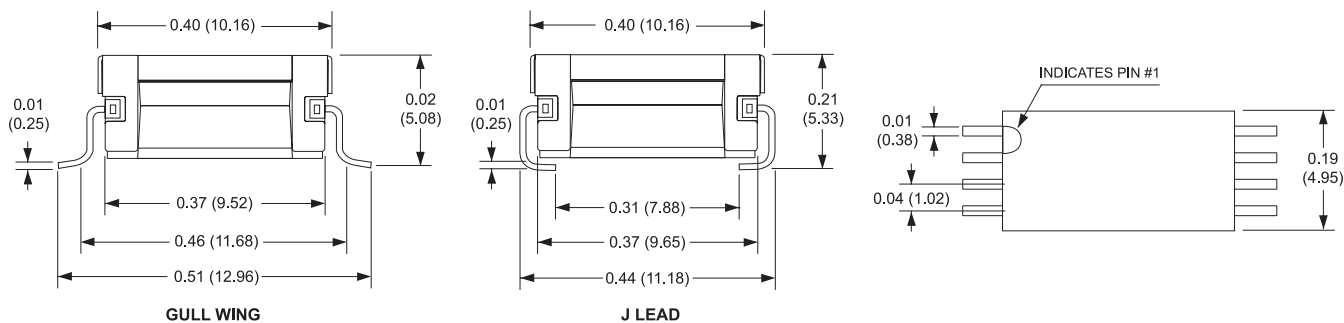
Contact Resistance (Initial) (Max.)	: 150m Ω
Operate Time-Including Bounce Time (Typ.)	: 0.25ms (@ Nominal Voltage)
Release Time (Typ.)	: 0.05ms
Insulation Resistance @ 100V DC (Min.)	: 10 ¹² Ω (Min.)
Dielectric Strength (Min.)	: Between Open Contacts 210V DC/peak AC All Other Points 1500V DC/peak AC
Capacitance (Typ.)	: 0.2pF
Vibration	: 20G (10 ~ 2kHz, 1.5mm)
Shock	: 50G
Operating Temperature	: -40°C to +85°C
Storage Temperature	: -35°C to +100°C
Life Expectancy @ Specified Load	: 100 × 10 ⁶ ops (1V DC, 10mA)

www.element14.com
www.farnell.com
www.newark.com



Instrumentation Grade SMD Reed Relay

Dimensions



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Reed Relay, SPST-NO, 5V DC, 150Ω, 170V DC/120V AC, 0.5A, SMD	MCCGSM-051A-G

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