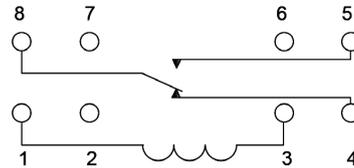


Instrumentation Reed Relay

RoHS
Compliant



Schematic View



Features

- High reliability instrumentation grade reed switch with sputtered Ruthenium contacts
- Industry standard footprint (alternate pin-outs available)
- Ideal for test and instrumentation applications
- Hermetically sealed contacts for long life
- High insulation resistance
- Metal cover (reduces magnetic interaction)

Contact Form: 1 Form C (SPDT)

Coil Data

Nominal Coil Voltage	Nominal Coil Resistance	Max. Operating Voltage	Min. Release Voltage	Max. Coil Voltage
(V DC)	± 10% Ω	(V DC)	(V DC)	(V DC)
12	1500	9	1	16

Contact Rating

Switching Power (Max.)	: 5W
Switching Voltage (Max.)	: 150V DC
Switching Current (Max.)	: 0.25A
Carrying Current (Max.)	: 1A

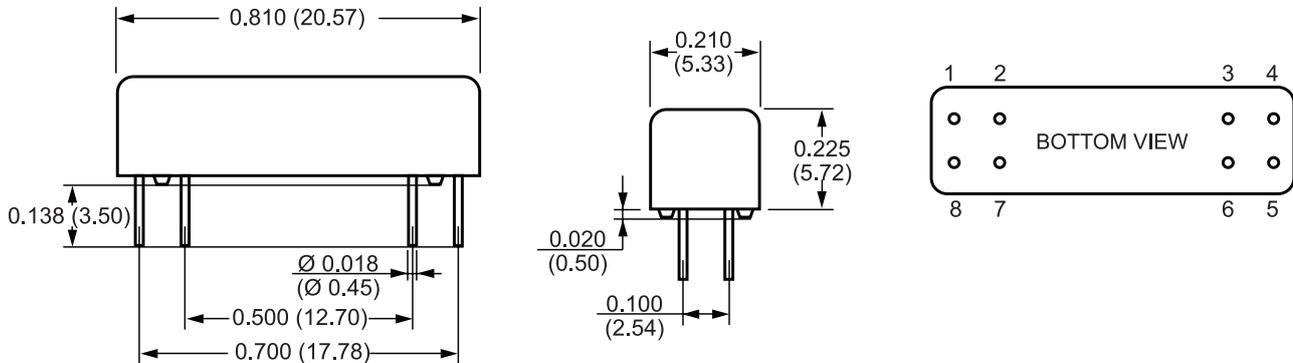
Specifications

Contact Resistance (Initial) (Max.)	: 150mΩ
Operate Time - Including Bounce Time (Typ.)	: 1ms (@ Nominal Voltage)
Release Time (Typ.)	: 2ms
Insulation Resistance @ 100V, 20°C, 40% RH	: 10 ⁹ Ω (Min.)
Dielectric Strength (Min.)	: Across Contacts 200V DC/peak AC Contacts to Coil 1500V DC/peak AC
Capacitance Across Open Contacts (Typ.)	: 2pF
Vibration	: 20G
Shock	: 50G
Operating Temperature	: -25°C to +85°C
Storage Temperature	: -35°C to +100°C
Life Expectancy @ Specified Load	: 100 × 10 ⁶ ops (1V DC, 10mA)

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Instrumentation Reed Relay

Dimensions



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Reed Relay, SPDT, 12V DC, 1.5k Ω , 150V DC, 0.25A, THT	MCBF-1C12

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