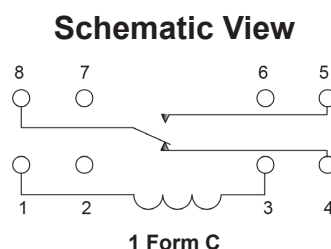


Instrumentation Reed Relay

RoHS
Compliant



Features

- High reliability instrumentation grade reed switch with sputtered Ruthenium contacts
- Ideal for test and instrumentation applications
- Hermetically sealed contacts for long life
- Optional Coaxial shield (50 ohm impedance) – Tied to pins #6 & #7
- 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)
5	230	3.8	0.4	7
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

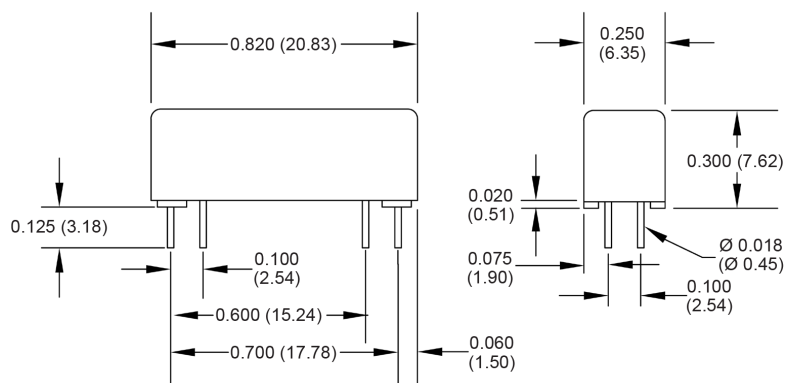
Specifications

Static Contact Resistance(Initial)	: 150mΩ
Operate Time - Including Bounce Time (Typ.)	: 1ms
Release Time - (Typ.)	: 2ms
Insulation Resistance Between all Isolated Pins @ 100V, 20°C, 40%RH (Min.)	: 10 ⁹ Ω
Dielectric Strength Across Contacts (Min.)	: 200V DC/peak AC
Dielectric Strength Contacts to Coil (Min.)	: 200V DC/peak AC
Dielectric Strength Contacts / Shielded to Coil (Min.)	: 1500V DC/peak AC
Capacitance Across Open Contacts: Shield Floating / Guarding (Typ.)	: 2pF / 1pF

Instrumentation Reed Relay

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)

Dimensions



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Reed Relay, Coaxial, SPDT, 5V DC, 230Ω, 150V DC, 0.25A, THT	MCBFM-1C05C
Reed Relay, Coaxial, SPDT, 12V DC, 1.5kΩ, 150V DC, 0.25A, THT	MCBFM-1C12C

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