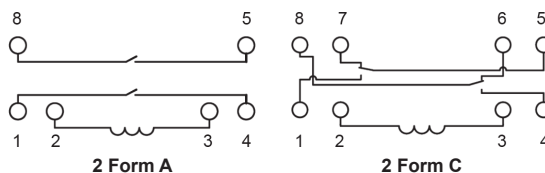


RoHS
Compliant



Schematic View



Features

- Multi-pole 2 Form A & 2 Form C designs
- High reliability instrumentation grade reed switch with sputtered Ruthenium Form A contacts
- High insulation resistance
- Metal cover (reduces magnetic interaction)

Contact Form: 2 Form A (DPST-NO) / 2 Form C (DPDT)

Coil Data

Nominal Coil Voltage (V DC)	Nominal Coil Resistance ± 10% Ω	Max. Operating Voltage (V DC)	Min. Release Voltage (V DC)	Max. Coil Voltage (V DC)
5	175	3.75	0.4	7
12	1000	9	1	16

Contact Rating

Contact Form	2 Form A	2 Form C
Switching Power (Max.)	10W	5W
Switching Voltage (Max.)	200V DC	100V DC
Switching Current (Max.)	0.5A	0.25A
Carrying Current (Max.)	1.5A	1A

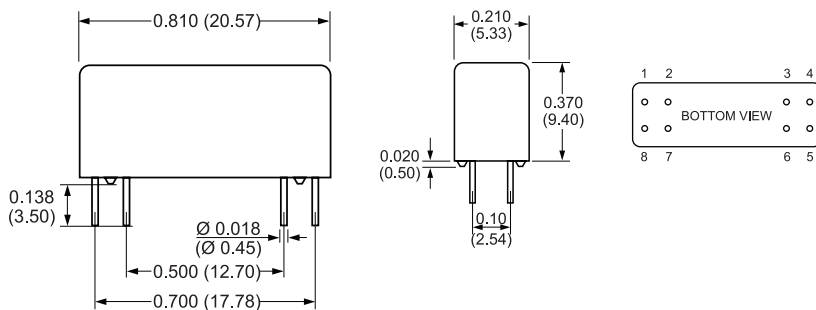
Specifications

Contact Form	2 Form A	2 Form C
Static Contact Resistance(Initial)	150mΩ	200mΩ
Dielectric Strength Between Contacts (Min.)	250V DC	200V DC
Dielectric Strength Contacts to Shield (Min.)	1000V DC	-
Dielectric Strength Contacts / Shield to Coil (Min.)	1000V DC	1000V DC
Insulation Resistance Between all Isolated Pins @ 100V, 25(degree)C, 40%RH (Min.)	10 ¹² Ω	10 ⁹ Ω
Capacitance - Typical No Shield	0.8pF	2pF
Capacitance - Typical Shield Guarding	0.2pF	-
Operate Time (Including Bounce Time) - (Typ.)	0.5ms	1.5ms

Multi-Pole Instrumentation Reed Relay

Contact Form	2 Form A	2 Form C
Release Time - (Typ.)	0.15ms	2ms
Vibration	20G	
Shock	50G	
Operating Temperature	-20°C to +85°C	
Storage Temperature	-40°C to +100°C	
Life Expectancy @ Specified Load	500 × 10 ⁶ ops (1V DC, 10mA)	100 × 10 ⁶ ops (1V DC, 10mA)

Dimensions



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Reed Relay, DPST-NO, 5V DC, 175Ω, 200V DC, 0.5A, THT	MCBFH-2A-05
Reed Relay, DPDT, 5V DC, 175Ω, 100V DC, 0.25A, THT	MCBFH-2C-05
Reed Relay, DPDT, 12V DC, 1kΩ, 100V DC, 0.25A, THT	MCBFH-2C-12

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