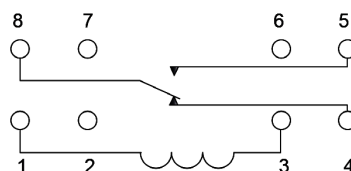


Instrumentation Reed Relay

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)	$\pm 10\% \Omega$	(V DC)	(V DC)	(V DC)
12	1500	9	1	16

Contact Rating

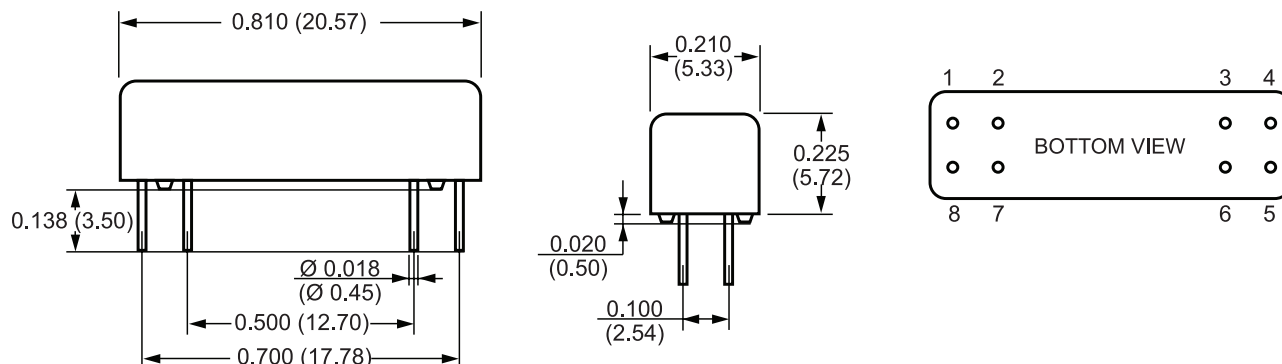
Switching Power (Max.)	: 5W
Switching Voltage (Max.)	: 150V DC
Switching Current (Max.)	: 0.25A
Carrying Current (Max.)	: 1A

Specifications

Contact Resistance (Initial) (Max.)	: 150m Ω
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)

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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell Limited 2016.