HGSR05-1CM

Mercury Wetted Reed Relay

PRODUCT VISUAL

SOURCE IMAGE NOT AVAILABLE

source image

KEY RATINGS

COIL VOLTAGE	5.0 VDC
OPERATING VOLTAGE	7.0 VDC
PULL-IN VOLTAGE	4.0 VDC
DROP-OUT VOLTAGE	0.5 VDC
CONTACT FORM	1 Form C
CONTACT RATING	100 W

OVERVIEW

- Mercury wetted reed relay with metal or plastic case
- 100 W contact rating, 500 V switching
- Long life 2x10^9 operations
- 1 Form C changeover contact
- No contact bounce, stable contact resistance

COIL DATA

Coil Voltage	5.0 VDC
Operating Voltage	7.0 VDC
Pull-in Voltage	4.0 VDC
Drop-out Voltage	0.5 VDC
Coil Resistance (±10%)	125 ohm

CONTACT RATINGS

Contact Form	1 Form C
Contact Rating	100 W
Switch Voltage	500 V
Switch Current	2.0 A
Carry Current	5.0 A
Breakdown Voltage	2000 V
Contact Resistance	30 mohm
Life Expectancy	2000 x10^6 cycles

ELECTRICAL CHARACTERISTICS

Dielectric Strength Contact/Coil	2000 V
Insulation Resistance Contact/Contact	10^9 ohm
Insulation Resistance Contact/Coil	10^9 ohm
Operate Time	1.25 ms
Reset Time	1.25 ms
Capacitance Open Contacts	4.0 pF
Capacitance Contacts to Coil	10.0 pF

ENVIRONMENTAL / OPTIONS

Storage Temperature	-20 to +105 C
Operate Temperature	-20 to +85 C

MECHANICAL OUTLINE / DIMENSIONS

Outline image recorded in source PDF

CIRCUIT / MARKING / TERMINAL VIEW

Connection figure not available

ORDERING & SOURCE TRACEABILITY

HGSR05-1CM — M metal case / P plastic case options

Source: HGSR12-1CM.pdf

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