

HGJR05-1AM

Mercury Wetted Reed Relay

PRODUCT VISUAL

SOURCE IMAGE NOT AVAILABLE

source image

KEY RATINGS

NOMINAL COIL VOLTAGE

5 VDC

MAX OPERATING VOLTAGE

7 VDC

MAX PULL-IN VOLTAGE

4 VDC

MIN DROP-OUT VOLTAGE

0.5 VDC

MIN BREAKDOWN VOLTAGE

4K VDC

CONTACT FORM

1 Form A

OVERVIEW

- ✓ High Power Mercury Reed Relay, dielectric strength up to 4000VDC
- ✓ High insulation resistance
- ✓ External magnetic and electrostatic shielding
- ✓ High load current capability
- ✓ Low contact resistance, long-life sealed contacts

COIL DATA

Nominal coil voltage	5 VDC
Max Operating voltage	7 VDC
Max Pull-in voltage	4 VDC
Min Drop-out voltage	0.5 VDC
Coil Resistance	125 ohm

CONTACT RATINGS

Min Breakdown Voltage	4K VDC
Contact Form	1 Form A
Max Contact Rating	100 W
Max Switch Voltage	500V ACpeak/DC
Max Switch Current	2.0 A
Max Carrying Current	5.0 A
Max Contact Resistance	80 mohm

ELECTRICAL CHARACTERISTICS

Dielectric Strength, Open Contacts	4K VDC
Dielectric Strength coil/contact	4K VDC
Dielectric Strength contact/shield	4K VDC
Insulation Resistance (500V, 25°C 40%RH)	10 ⁹ Ω min
Operate Time	1.8ms max
Reset Time	1.8ms max
Life Expectancy	5×10 ⁷ ops (at 500VDC-100mA)

ENVIRONMENTAL / OPTIONS

Vibration (0~2000Hz)	20G
Shock (11ms, 1/2 sine wave)	50G
Operating Temperature	-20~+70°C
Storage Temperature	-35~+105°C
Soldering Temperature	5 sec.max 260°C

MECHANICAL OUTLINE / DIMENSIONS

Outline image recorded in source PDF

CIRCUIT / MARKING / TERMINAL VIEW

Connection figure not available

ORDERING & SOURCE TRACEABILITY

HGJR05-1AM — Mercury Wetted Reed Relay (M = metal case)

Source: HGJR05-1AM Professional V2.0.pdf

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