

HGMR05-1A001

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

2K VDC

CONTACT FORM

1 Form A

OVERVIEW

- ✓ High Power Mercury Reed Relay, dielectric strength up to 2000VDC
- ✓ High insulation resistance up to $10^{12} \Omega$
- ✓ 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	70 ohm

CONTACT RATINGS

Min Breakdown Voltage	2K VDC
Contact Form	1 Form A
Max Contact Rating	50 W
Max Switch Voltage	1KV ACpeak/DC
Max Switch Current	2.0 A
Max Carrying Current	5.2 A(at 30°C)
Max Contact Resistance	80 mohm

ELECTRICAL CHARACTERISTICS

Dielectric Strength coil/contact	2K VDC
Dielectric Strength contact/shield	2K VDC
Insulation Resistance	$10^{12} \Omega$
Operate Time	2.0ms
Reset Time	2.0ms
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

HGMR05-1A001 — Mercury Wetted Reed Relay (pin type 001 variant)

Source: HGMR05-1A001_V2.0.pdf

Technical values are preserved from source PDFs / generated metadata. Original outline and circuit figures are reused where available; do not treat artwork proportions as standalone dimensional authority.