

## HGMR24-1A002

## Mercury Wetted Reed Relay

## PRODUCT VISUAL

SOURCE IMAGE NOT AVAILABLE

source image

## KEY RATINGS

NOMINAL COIL VOLTAGE

24 VDC

MAX OPERATING VOLTAGE

29 VDC

MAX PULL-IN VOLTAGE

18 VDC

MIN DROP-OUT VOLTAGE

2 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  | 24 VDC   |
| Max Operating voltage | 29 VDC   |
| Max Pull-in voltage   | 18 VDC   |
| Min Drop-out voltage  | 2 VDC    |
| Coil Resistance       | 1200 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                    | $5 \times 10^7$ 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 &amp; SOURCE TRACEABILITY

HGMR24-1A002 — Mercury Wetted Reed Relay (pin type 002 variant)

Source: HGMR0000000000V2.0.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.