

HGFR05-4A-01

Mercury Wetted Reed Relay

PRODUCT VISUAL

SOURCE IMAGE NOT AVAILABLE

source image

KEY RATINGS

NOMINAL COIL VOLTAGE

5 VDC

MIN BREAKDOWN VOLTAGE

2K VDC

CONTACT FORM

4 Form A

MAX CONTACT RATING

50 W

MAX SWITCH VOLTAGE

1KV ACpeak/DC

MAX SWITCH CURRENT

2.0 A

OVERVIEW

- High Power Mercury Reed Relay, dielectric strength up to 3500VDC
- High insulation resistance up to $10^{13} \Omega$
- External magnetic and electrostatic shielding
- High load current capability
- Low contact resistance, long-life sealed contacts

COIL DATA

Nominal coil voltage

5 VDC

CONTACT RATINGS

Min Breakdown Voltage

2K VDC

Contact Form

4 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

HGFR05-4A-01 — Mercury Wetted Reed Relay (lead style variant: 01 = flat mount)

Source: HGFR05-4A-01_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.