

HGFR05-3A

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

3 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	3 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

HGFR05-3A — Mercury Wetted Reed Relay

Source: HGFR05-3A_V2.0.pdf

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