

HGFR12-3A-H

Mercury Wetted Reed Relay

PRODUCT VISUAL

SOURCE IMAGE NOT AVAILABLE

source image

KEY RATINGS

NOMINAL COIL VOLTAGE

12 VDC

MAX OPERATING VOLTAGE

16 VDC

MAX PULL-IN VOLTAGE

9 VDC

MIN DROP-OUT VOLTAGE

1 VDC

MIN BREAKDOWN VOLTAGE

3K VDC

CONTACT FORM

3 Form A

OVERVIEW

- ✓ High Power Mercury Reed Relay
- ✓ High Carry Current
- ✓ Custom Design Available
- ✓ Low Contact Resistance
- ✓ Excellent Lifetime Characteristics

COIL DATA

Nominal coil voltage	12 VDC
Max Operating voltage	16 VDC
Max Pull-in voltage	9 VDC
Min Drop-out voltage	1 VDC
Coil Resistance	300 ohm

CONTACT RATINGS

Min Breakdown Voltage	3K 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	3.5K VDC
Operate Time	2.0ms
Reset Time	2.0ms
Capacitance Across Contacts	0.3pF

ENVIRONMENTAL / OPTIONS

Storage Temperature	-35~+105°C
Operating Temperature	-20~+70°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

HGFR12-3A-H — Mercury Wetted Reed Relay

Source: HGFR12-3A-H.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.