

# HVR1A12-HG

## 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

2K VDC

CONTACT FORM

1 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       | 620 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     | 1.0 A          |
| Max Carrying Current   | 5.2 A(at 30°C) |
| Max Contact Resistance | 80 mohm        |

### ELECTRICAL CHARACTERISTICS

|                                  |        |
|----------------------------------|--------|
| Dielectric Strength coil/contact | 2K 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

#### HVR1A12-HG — Mercury Wetted Reed Relay

Source: HVR1A12-HG.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.