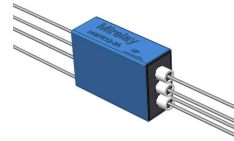


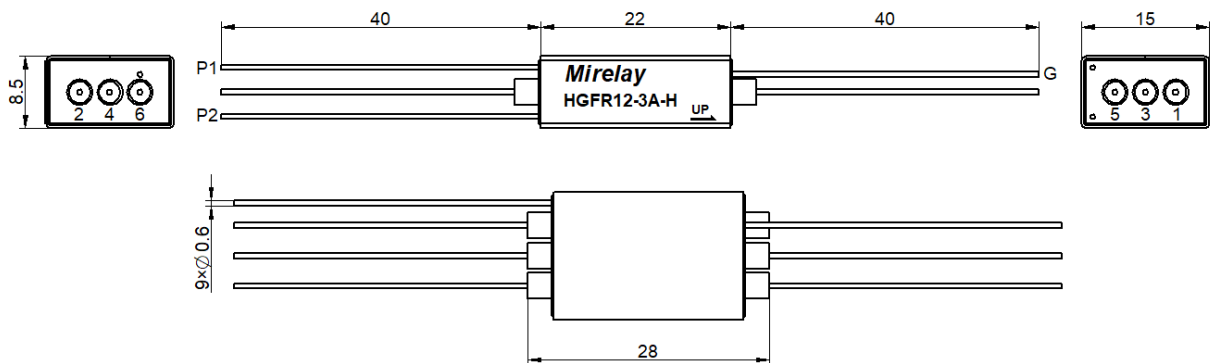
# HGFR12-3A-H

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



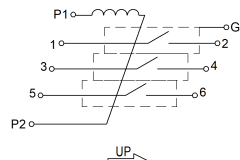
[Outline Dimension]

Unit: mm Scale: 1/1



[Pin Layout]

[Top View]



Order Information

HGFR12-3A-H

| Coil Parameters          |                | Relay Parameters                           |                  |
|--------------------------|----------------|--------------------------------------------|------------------|
| 1 Nominal coil voltage   | 12 VDC         | 1 Min Breakdown Voltage                    | 3K VDC           |
| 2 Max Operating voltage  | 16 VDC         | 2 Dielectric Strength coil/contact         | 3.5K VDC         |
| 3 Max Pull-in voltage    | 9 VDC          | 3 Insulation Resistance coil/contact       | 1.00E+12ohm      |
| 4 Min Drop-out voltage   | 1 VDC          | 4 Operate Time, incl. Bounce               | 2.0ms            |
| 5 Coil Resistance        | 300 ohm        | 5 Reset Time                               | 2.0ms            |
| Contact Parameters       |                | 6 Capacitance Across Contacts              | 0.3pF            |
| 1 Contact Form           | 3 Form A       | 7 Storage Temperature                      | -35~+105°C       |
| 2 Max Contact Rating     | 50 W           | 8 Operating Temperature                    | -20~+70°C        |
| 3 Max Switch Voltage     | 1KV ACpeak/DC  | 9 Soldering Temperature                    | 5 sec. max 260°C |
| 4 Max Switch Current     | 2.0 A          | Note                                       |                  |
| 5 Max Carrying Current   | 5.2 A(at 30°C) | Hg wet contacts must be mounted within 30° |                  |
| 6 Min Breakdown Voltage  | 3K VDC         | of vertical plane.                         |                  |
| 7 Max Contact Resistance | 80 mohm        |                                            |                  |

Version: 01

Designed by

Checked by

Approved by

Date

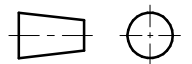
18th,Sept,2023

TITLE

High Voltage Reed Relay

P/N

HGFR12-3A-H



Scale: 1:1

Page: 1/1