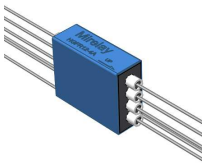
SHR SENSOR & RELAY
www.reed-relay.com
sales@reed-relay.com

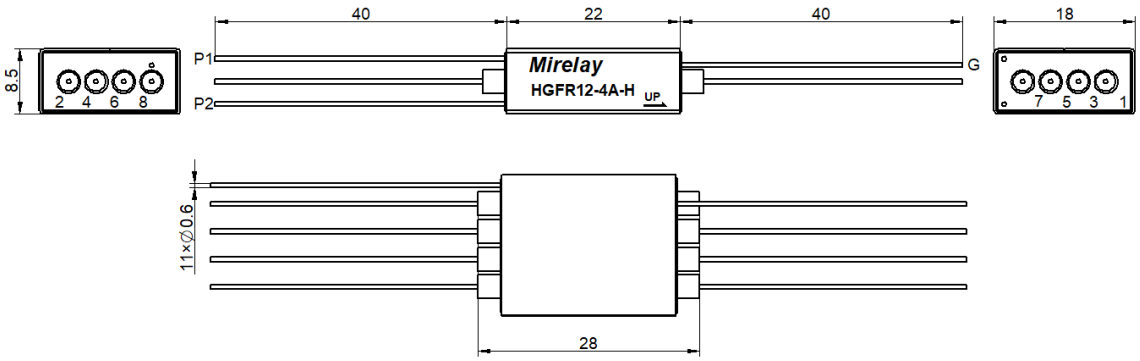
HGFR12-4A-H

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



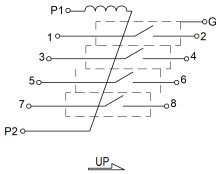
[Outline Dimension]

Unit: mm Scale: 1/1



[Pin Layout]

[Top View]



Order Information
HGFR12-4A-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	4 Form A	7 Storage Temperature	-35~+105℃
2 Max Contact Rating	50 W	8 Operating Temperature	-20~+70℃
3 Max Switch Voltage	1KV ACpeak/DC	9 Soldering Temperature	5 sec. max 260℃
4 Max Switch Current	2.0 A	Note	
5 Max Carrying Current	5.2 A(at 30℃)	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		TITLE High Voltage Reed Relay	
	Checked by			
	Approved by		P/N HGFR12-4A-H	Scale: 1:1
	Date	18th,Sept,2023		Page: 1/1