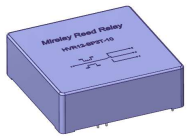
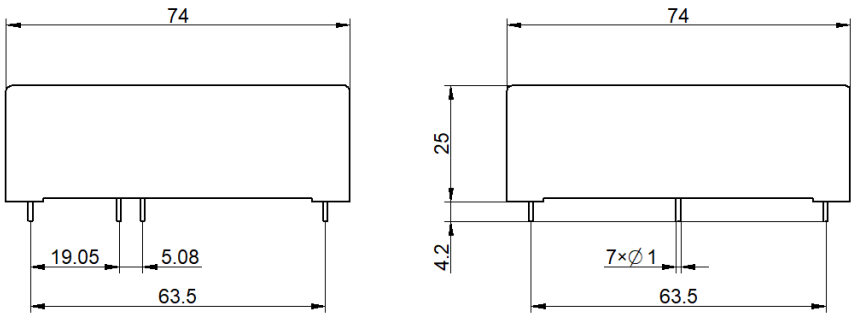
HVR12-SP3T-10

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 10 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

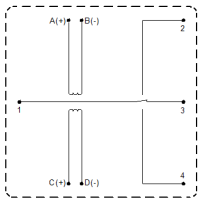


Outline Dimension

Unit: mm DIM Tolerance: ±0.3



Layout[Top View]



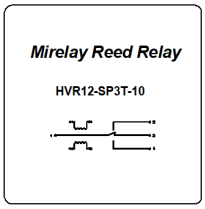
Operating Characteristics

A(+), B, and C(+), D are not energized, contacts 1 and 3 are closed.

A(+) and B are energized, C(+) and D are not energized, contacts 1 and 2 are closed.

A(+) and B are not energized, C(+) and D are energized, contacts 1 and 4 are closed.

Marking



Coil Parameters (at 20℃)

Nominal Coil Voltage	Nominal Current	Coil Power	Max Pull-in Voltage	Min Drop-out Voltage
12 VDC	133 mA	1.6 W	9 VDC	1 VDC

Contact Parameters

Contact Form	SP3T	Max Contact Rating	50 W
Max Switch Voltage	7.5 kVDC	Max Switch Current	3.0 A
Max Carrying Current	5.0 A	Min Breakdown Voltage	10 kVDC
Max Contact Resistance	150 mΩ	Life Expectancy (Electrical) (at 500 VDC 100mA)	5×10^7 ops

Electrical Specifications

Dielectric Strength (Static,min)	Open contacts	10 kVDC	Insulation Resistance (min./typ.) Rh<45%, 100V Test Voltage	Open contacts	1×10^{12} Ω
	Contact to coil	10 kVDC		Contact to coil	1×10^{12} Ω
Operate Time,incl.Bounce		3.0 ms	Capacitance	Across Open Switch	1.0 pF
Reset Time		3.0 ms			

Environmental data

Vibration (10 to 2KHz 1.5mm)	20 G	Shock (1/2 sine wave duration 11ms)	50 G
Operating Temperature	-20℃ ~ 70℃	Storage Temperature	-35℃ ~ 105℃
Soldering Temperature (5 sec. dwell)	260℃	Washability	fully sealed

Example of order marking

Product model	Nominal Coil Voltage		Contact form		Breakdown Voltage		Special code
HVR	12：12 VDC	—	SP3T：Single Pole Three Throw Switch	—	10：10 kVDC		Nil

Remark: RoHS	Make	Li Linmao	TITLE High Voltage Reed Relay	
	Checke	Hu Shu		
	Approved	Dong Hu	P/N HVR12-SP3T-10	Version: 04
	Date	8th,Jun,2026		Page: 1/1