

HVR12-1A15-156

- High Voltage Reed Relay
- Low Contact Resistance
- Breakdown up to 15 kVDC
- Excellent Lifetime Characteristics
- Custom Design Available

Outline Dimension

Unit: mm DIM Tolerance: ±0.3

Technical drawing of the HVR12-1A15-156 relay. The side view shows a main body length of 68mm, a terminal length of 150±5mm (2 locations), and a mounting tab length of 5mm (2 locations). The mounting holes are 2xØ0.8mm. The top view shows a width of 19mm, a height of 19.9mm, and a base width of 15mm. The mounting holes are 3.5mm apart.

Layout[Top View]

Marking

Top view layout showing the relay's footprint and internal components. The marking shows the text "Mirelay Reed Relay" and "HVR12-1A15-156" on the relay body.

Coil Parameters (at 20℃)							
Nominal Coil Voltage	Nominal Current	Coil Resistance	Max Pull-in Voltage	Min Drop-out Voltage			
12 VDC	60 mA	200±10% Ω	9 VDC	1 VDC			
Contact Parameters							
Contact Form	1 Form A	Max Contact Rating	50 W				
Max Switch Voltage	10 kVDC	Max Switch Current	3.0 A				
Max Carrying Current	5.0 A	Min Breakdown Voltage	15 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	15 kVDC	Insulation Resistance (min./typ.) Rh<45%, 100V Test Voltage	Open contacts	1×10 ¹² Ω		
	Contact to coil	15 kVDC		Contact to coil	1×10 ¹² Ω		
Operate Time,incl.Bounce		3.0 ms	Capacitance	Across Open Switch	1.0 pF		
Reset Time		1.5 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	Pin Out	Special code		
HVR	12: 12 VDC	1A: 1 Form A	15: 15 kVDC	156	Nil		

Remark:

RoHS

Make

Li Linmao

Checke

Hu Shu

Approved

Dong Hu

Date

30th,Dec,2024

TITLE

High Voltage Reed Relay

P/N

HVR12-1A15-156

Version: 04

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