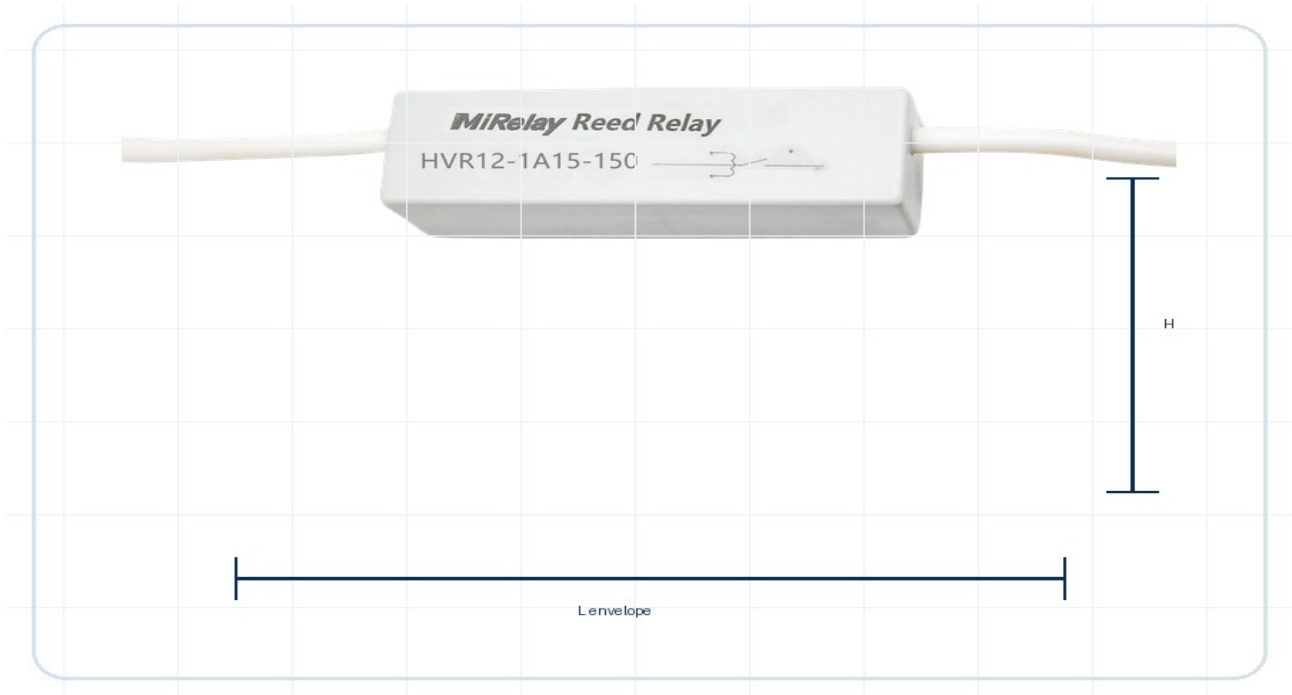


Family Datasheet: High Voltage Reed Relays

Selection catalog and family datasheet for HVR, HVFR, SIP-HV, HRM/HRX/HVSR high-voltage switching families.



Reference basis: MiRelay internal product samples, local specification files, product images and public-format review of comparable supplier catalogs such as Pickering, Standex/Meder, Coto, Toward and Littelfuse. Content is rewritten into MiRelay style; exact production ratings and drawings are confirmed by RFQ.

Selection overview

Selection item	What to check
Voltage class	4 kV / 6 kV / 10 kV / 15 kV / 20 kV breakdown or isolation family
Contact form	1A, 1B, 1C, 2A, multi-channel modules according to measurement topology
Coil voltage	05 / 12 / 24 VDC are common; custom coils may be reviewed by RFQ
Mounting	PCB through-hole, high-voltage lead, module or custom pinout
Use cases	Hipot, cable test, medical HV switching, EV insulation, power supply discharge

Representative models

Model / series	Selection role
HVR12-1A10-04	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
HVR24-2A06	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
HVR12-1A15-150	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.

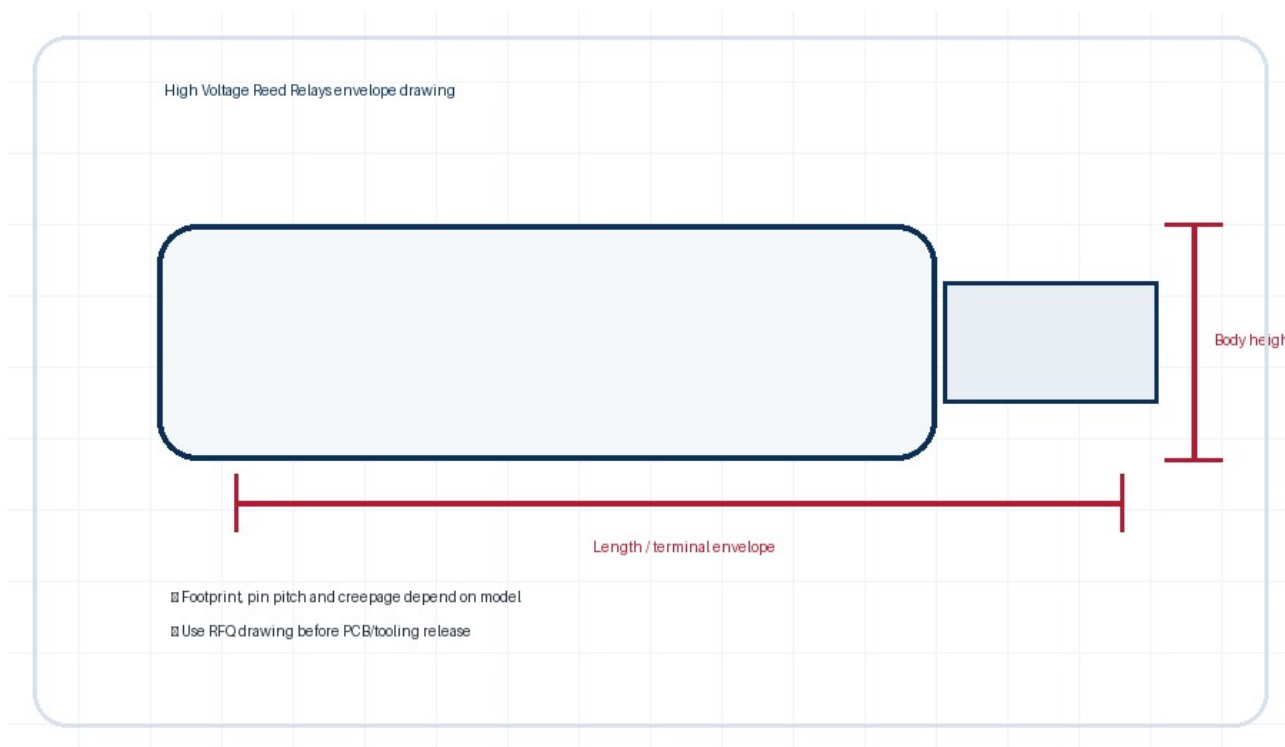
HVFR12-4A	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
SIP-HV1A05D	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
HRM24-2A10	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.

Ordering code interpretation

Example code: HVR 12 - 1A 10 - 04

Code block	Meaning
HVR	High Voltage Reed Relay family
12	Coil voltage: 05 / 12 / 24 VDC
1A	Contact form: 1 Form A normally open
10	Voltage class: 10 kV family
04	Mounting / lead / package option

Dimension and drawing guidance



Typical envelope varies by voltage class and termination; confirm exact drawing before PCB layout.

Application fit

High-voltage source routing
 Insulation resistance measurement
 Cable and harness hipot
 Medical and industrial test equipment

RFQ checklist

Send: target model or competitor cross-reference, switching/carry current, voltage, load type, coil/control voltage, contact form/output, mounting limits, environment, sample quantity and annual forecast. Attach PCB/mechanical drawings where available.

Compliance note

For safety-critical, medical, EV, PV or mercury-wetted applications, this guide is not a final approval document. Use the final signed datasheet, drawing and customer validation plan for production release.