

HVR12-2A10-150

High Voltage Reed Relay

PRODUCT VISUAL



embedded pdf product render with exact hvr12 2a10 150 marking

KEY RATINGS

COIL VOLTAGE
12 VDC

CONTACT FORM
2 Form A

SWITCH VOLTAGE
7.5 kVDC

CONTACT RATING
50 W

OVERVIEW

- High voltage reed relay
- Breakdown up to 10 kVDC
- Excellent lifetime characteristics
- Low contact resistance
- 150 mm lead option

COIL DATA

Nominal Coil Voltage	12 VDC
Nominal Current	80 mA
Coil Resistance	150 ± 10% Ω
Max Pull-in Voltage	9 VDC
Min Drop-out Voltage	1 VDC

CONTACT RATINGS

Contact Form	2 Form A
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	200 mΩ
Life Expectancy	5 × 10⁷ ops @ 500V 100mA

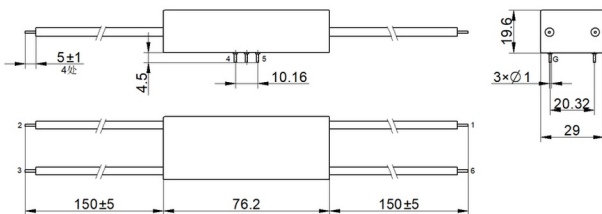
ELECTRICAL CHARACTERISTICS

Dielectric Open / Contact-Coil	10 / 15 kVDC
Insulation Open / Contact-Coil	1 × 10⁻¹² Ω each
Operate Time incl. Bounce	3.5 ms
Reset Time	2.0 ms
Capacitance	1.0 pF across open switch

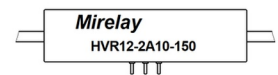
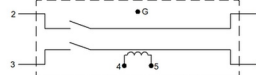
ENVIRONMENTAL / OPTIONS

Vibration	20 G, 10-2KHz 1.5mm
Shock	50 G, 11ms half-sine
Operating Temperature	-20°C to +70°C
Storage Temperature	-35°C to +105°C
Soldering Temperature	260°C, 5 sec max
Washability	Fully sealed

MECHANICAL OUTLINE / DIMENSIONS



CIRCUIT / MARKING / TERMINAL VIEW



ORDERING & SOURCE TRACEABILITY

HVR12-2A10-150 — HVR, 12 = 12 VDC, 2A = 2 Form A, 10 = 10 kVDC, Pin Out = 150, Special = Nil

Source: HVR12-2A10-150.pdf

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