

HGSR05-1A08-150

Mercury Wetted Reed Relay

PRODUCT VISUAL

SOURCE IMAGE NOT AVAILABLE

source image

KEY RATINGS

NOMINAL COIL VOLTAGE

5 VDC

MAX OPERATING VOLTAGE

7.0 VDC

MAX PULL-IN VOLTAGE

4.0 VDC

MIN DROP-OUT VOLTAGE

0.5 VDC

CONTACT FORM

1 Form A

MAX CONTACT RATING

250 W

OVERVIEW

- High power mercury reed relay, dielectric strength up to 8000VDC
- Low contact resistance
- Custom design available for layout
- High carry current up to 100A pulse
- High insulation resistance up to 10^{10} ohm

COIL DATA

Nominal Coil Voltage	5 VDC
Max Operating Voltage	7.0 VDC
Max Pull-in Voltage	4.0 VDC
Min Drop-out Voltage	0.5 VDC
Coil Resistance ($\pm 10\%$)	30 ohm

CONTACT RATINGS

Contact Form	1 Form A
Max Contact Rating	250 W
Max Switch Voltage	8000 V
Max Switch Current	5.0 A
Max Carry Current	10.0 A
Max Breakdown Voltage	8000 V
Contact Resistance	50 mohm

ELECTRICAL CHARACTERISTICS

Breakdown Voltage	8000 V
Isolation Contact to Coil	9000 V
Insulation Resistance Contact to Coil	10^{10} ohm
Operate Time incl. Bounce	10.0 ms
Reset Time	6.0 ms
Capacitance Across Contact	0.8 pF

ENVIRONMENTAL / OPTIONS

Storage Temperature	-20 to +80 C
Operating Temperature	-10 to +60 C
Soldering Temperature	260 C, 5 sec max

MECHANICAL OUTLINE / DIMENSIONS

Outline image recorded in source PDF

CIRCUIT / MARKING / TERMINAL VIEW

Connection figure not available

ORDERING & SOURCE TRACEABILITY

HGSR05-1A08-150 — 8kV high current mercury wetted reed relay

Source: HGSR-1A08-150.pdf

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