HGSR05-1C

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**
MIN BREAKDOWN VOLTAGE **2K VDC min**	CONTACT FORM **1 Form C**

OVERVIEW

- High Power Mercury Reed Relay
- High Carry Current
- Low Contact Resistance
- Excellent Lifetime Characteristics

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	**125 ohm**

CONTACT RATINGS

Min Breakdown Voltage	**2K VDC min**
Contact Form	**1 Form C**
Max Contact Rating	**100 W**
Max Switch Voltage	**500V ACpeak/DC**
Max Switch Current	**2.0 A**
Max Carrying Current	**5.0 A**
Max Contact Resistance	**30 mohm (static max)**

ELECTRICAL CHARACTERISTICS

Breakdown Voltage	**2K VDC min**
Dielectric Strength Contact/Coil	**2K VDC min**
Insulation Resistance Contact/Contact	**10^9 Ω min (RH<45%, 100V)**
Insulation Resistance Contact/Coil	**10^9 Ω min (RH<45%, 100V)**
Operate Time (no bounce)	**1.25ms max**
Reset Time	**1.25ms max**
Capacitance between open contacts	**4.0pF max**

ENVIRONMENTAL / OPTIONS

Storage Temperature	**-20~+105°C**
Operating Temperature	**-20~+85°C**

MECHANICAL OUTLINE / DIMENSIONS

Outline image recorded in source PDF

CIRCUIT / MARKING / TERMINAL VIEW

Connection figure not available

ORDERING & SOURCE TRACEABILITY

HGSR05-1C — Mercury Wetted Reed Relay

Source: HGSR12-1C.pdf

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