

SIP-HC1A05S

High Voltage Reed Relay

PRODUCT VISUAL



exact model image extracted from source pdf magnetic shield

KEY RATINGS

COIL VOLTAGE
5 VDC

CONTACT FORM
1 Form A

SWITCH VOLTAGE
1.5 kVDC

CONTACT RATING
150 W

OVERVIEW

- High voltage reed relay
- Breakdown up to 4 kVDC
- Mercury relay alternative reed relay
- Low contact resistance
- Excellent lifetime characteristics

COIL DATA

Nominal Coil Voltage	5 VDC
Nominal Current	62.5 mA
Coil Resistance	80±10% Ω
Max Pull-in Voltage	3.8 VDC
Min Drop-out Voltage	0.5 VDC

CONTACT RATINGS

Contact Form	1 Form A
Max Contact Rating	150 W
Max Switch Voltage	1.5 kVDC
Max Switch Current	2.0 A
Max Carrying Current	10 A
Min Breakdown Voltage	4 kVDC
Max Contact Resistance	35 mΩ
Life Expectancy	1×10⁸ ops; pulse 10A

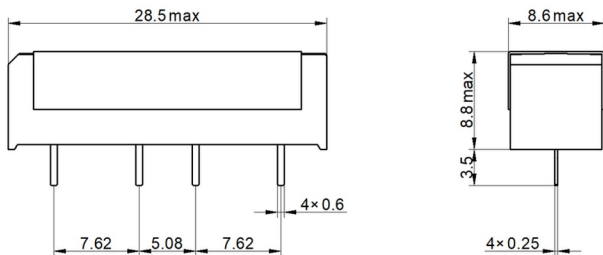
ELECTRICAL CHARACTERISTICS

Dielectric Open Contacts	4 kVDC
Dielectric Contact/Coil	4 kVDC
Dielectric Contact/Shield	4 kVDC
Insulation Resistance	1×10¹² Ω
Operate Time incl. Bounce	1.7 ms
Reset Time	0.5 ms
Capacitance	0.5 pF across open switch

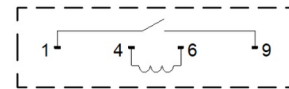
ENVIRONMENTAL / OPTIONS

Vibration	20 G, 10-2KHz 1.5mm
Shock	50 G, 11ms half-sine
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +105°C
Soldering Temperature	260°C, 5 sec dwell
Washability	Fully sealed

MECHANICAL OUTLINE / DIMENSIONS



CIRCUIT / MARKING / TERMINAL VIEW



ORDERING & SOURCE TRACEABILITY

SIP-HC1A05S — SIP-HC product model, 1A = 1 Form A, 05 = 5 VDC coil, S = Magnetic Shield, Special code = Nil

Source: SIP-HC1A05S.pdf

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