

Micro-Size High Temperature Operation Type (1a - Reed Relay)

■ Part number - Feature

● HFSS-1A-05WLC2

● Operating Temperature -30°C to +120°C

■ Performance

Specifications	Item	Standard
Contact Specifications	Contact Form	1a (make)
	Contact Rating	10W
	Max. Switching Voltage	DC100V
	Max. Switching Current	0.5 A
	Max. Carry Current	1.0 A
	Contact Resistance	150 mΩ MAX (Initial)
Electrical Specifications	Breakdown Voltage	Open Contacts DC200V (1 min) Contact to shield DC200V (1min) Shield to coil DC200V (1min)
	Insulation Resistance	$1 \times 10^{10} \Omega$ MIN (DC100V RT/RH)
	Capacitance	Open Contacts 0.1pF TYP.
	Thermal Electromotive Force	40 μV TYP.
	Operate Time	(Incl bounce) 0.5 mS MAX. (at Nominal Voltage)
	Release Time	0.2 mS MAX. (at Nominal Voltage)
Mechanical Specifications	Vibration	20G (0 to 2KHz 1.5mm)
	Shock	30G (11ms 1/2 Sin Wave)
Environment	Operating Temperature	-30°C to +120°C
Life Expectancy	Mechanical	1X10 ⁹ MIN. Operations
	Electrical	-

■ Coil Specifications

Contact Form	Part Number	Nominal Voltage DC: ±10% (V)	Coil Resistance ±10% (Ω) at 20°C	Nominal Current (mA)	Must Operate Voltage MAX. (V) at 20°C
1a	HFSS-1A-05WLC2	5	160	31.3	3.2

■ Dimensions /Terminal Identification (Unit:mm)

Dimensions	Terminal Identification
<p>Technical drawing of the HFSS-1A-05WLC2 reed relay. The drawing includes a side view with dimensions: total height 5.3±0.2, mounting hole diameter φ0.45, and terminal pitch 2.54±0.1. A top view shows a rectangular body with dimensions 17.7 MAX and 5.15 MAX. A bottom view shows the terminal layout with pins 1, 2, 6, 7, 14, and 8. A label on the component reads 'HFSS-1A-05WLC2', 'OKITA', and 'GF2'.</p>	<p>Terminal identification diagram showing the internal circuit and pin connections. The diagram is labeled 'TOP VIEW' and shows a dashed box containing the internal circuit. The pins are numbered 1, 2, 6, 7, 14, and 8. The legend indicates: 1 — 7...CONTACT (N, O), 2 — 6...GUARD, 8 — 14...COIL (R, Q).</p>

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