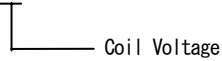


Micro-Size Low Stray Capacitance Type (1a - Reed Relay)

■ Part number - Feature

● HFSS-1A-**-WLC



● Low stray capacitance

■ 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 DC. 200V (1min) Shield to coil DC. 200V (1 min)			
	Insulation Resistance	Between all isolated pins $1 \times 10^{11} \Omega$ MIN (DC100V)			
	Capacitance	Across Open Contacts 0.2pF MAX. (Shield Guarding) Contact to shield 0.6pF MAX.			
	Thermal Electromotive Force	40μV 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	-10°C to +60°C			
Life Expectancy	Mechanical	1X10 ⁸ MIN. Operations			
	Electrical	DC. 10mV-10μA 1X10 ⁸ MIN. Operations (R.L.)			
High frequency characteristics (in-output impedance 50 Ω)	Return Loss	10MHz	30db MIN.	50MHz	25dB MIN.
	Isolation		50 dB MIN.		40dB MIN.
	Insertion Loss		0.12 dB MAX.		0.14db MAX.

■ Coil Specifications

Contact Form	Part Name	Nominal Voltage DC. $\pm 10\%$ (V)	Coil Resistance $\pm 10\%$ (Ω) at 20°C	Nominal Current (mA)	Must Operate Voltage MAX. (V) at 20°C
1a	HFSS-1A-12WLC	12	600	20.0	8.4
	HFSS-1A-05WLC	5	200	31.3	3.8

■ Dimensions /Terminal Identification (Unit:mm)

Dimensions	Terminal Identification
<p>17.7 MAX</p> <p>5.15 MAX.</p> <p>0.3±0.1</p> <p>5.3±0.2</p> <p>2.54±0.1</p> <p>10.16±0.2</p> <p>2.54±0.1</p> <p>0.45φ</p> <p>1 2 6 7</p> <p>14 8</p> <p>BOTTOM VIEW</p> <p>wieght about 1.0gr.</p>	<p>TOP VIEW</p> <p>14 8</p> <p>1 2 6 7</p> <p>8-14: COIL 1-7 : CONTACT (N. O) 2, 6 : GUARD</p>