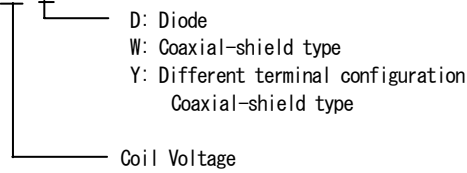


Small-Size Low Stray Capacitance Type (1a - Reed Relay)

■ Part number - Feature

● HFS-1A-**-*



- Low stray capacitance, with electrostatic-shield

■ 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 DC. 200V (1 min) Contact to coil DC. 1000V (1min) Contact to shield DC. 1000V (1min)
	Insulation Resistance	Between all isolated pins $1 \times 10^{10} \Omega$ MIN (DC100V)
	Capacitance	Open Contacts 0.9pF MAX. (Shield Guarding) Contact to shield 2pF MAX.
	Thermal Electromotive Force	40 μ V TYP.
	Operate Time	(incl. bounce) 0.45 mS MAX. (at Nominal Voltage)
	Release Time	0.15 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-10 μ A 1X10 ⁸ MIN. Operations (R.L.)
High frequency characteristics (in-output impedance 50 Ω)	Return Loss	10MHz 30db MIN. 50MHz 25db MIN.
	Isolation	10MHz 50 dB MIN. 50MHz 40dB MIN.
	Insertion Loss	10MHz 0.12 dB MAX. 50MHz 0.14db MAX.

■ Coil Specifications

Contact Form	Part Number	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	HFS-1A-24 (D, W, Y)	24	1200	20.0	16.8
	HFS-1A-12 (D, W, Y)	12	600	20.0	8.4
	HFS-1A-05 (D, WY)	5	160	31.3	3.8

■ Dimensions /Terminal Identification (Unit:mm)

Dimensions	Terminal Identification
<p>20.3 MAX 5.08 MAX 0.3\pm0.1 5.5\pm0.2 3.9\pm0.3 2.54\pm0.1 12.7\pm0.2 2.54\pm0.1 ϕ0.45 1 2 7 8 16 15 10 9 BOTTOM VIEW weight about 1.5gr.</p>	<p>TOP VIEW</p> <p>HFS-1A-**-* 16 9 1 7 8</p> <p>HFS-1A-**-W 16 9 1 2 7 8</p> <p>HFS-1A-**-D 16 (-) 9 (-) 1 7 8</p> <p>HFS-1A-**-Y 16 15 10 9 1 7</p>