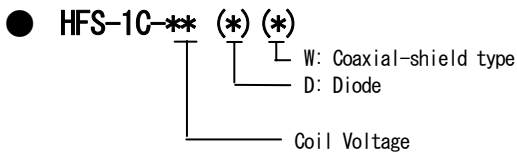


Small-Size Low Stray Capacitance and Transfer Type (1t - Reed Relay)

■ Part number - Feature



● Low stray capacitance and Transfer-contact

■ Performance

Specifications	Item	Standard			
Contact Specifications	Contact Form	1c (transfer)			
	Contact Rating	3W			
	Max. Switching Voltage	DC 30V			
	Max. Switching Current	0.1 A			
	Max. Carry Current	0.5 A			
	Contact Resistance	150 mΩ MAX (Initial)			
Electrical Specifications	Breakdown Voltage	Open Contacts DC 200V (1 min) Contact to coil DC 200V (1min) Contact to shield DC 200V (1min) Coil to shield DC 200V (1min)			
	Insulation Resistance	Between all isolated pins $1 \times 10^{10} \Omega$ MIN (DC100V)			
	Capacitance	Open Contacts 1.0pF MAX. (Shield Guarding) Contact to shield 4pF MAX.			
	Thermal Electromotive Force	40 μV typ.			
	Operate Time	(incl. bounce) 1.0 mS MAX. (at Nominal Voltage)			
	Release Time	(incl. bounce) 1.5 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	5X10 ⁷ MIN. Operations			
	Electrical	DC 10mV-10 μA 5X10 ⁷ MIN. Operations (R. L.)			
High frequency characteristics (input-output impedance 50 Ω)	Return Loss	10MHz	35db MIN.	50MHz	25dB MIN.
	Isolation		40 dB MIN.		30dB MIN.
	Insertion Loss		0.13 dB MAX.		0.16db 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
1c	HFS-1C-24 (D, W)	24	1200	20.0	16.8
	HFS-1C-12 (D, W)	12	400	30.0	8.4
	HFS-1C-05 (D, W)	5	100	50.0	3.8

■ Dimensions /Terminal Identification (Unit:mm)

Dimensions	Terminal Identification
<p>weight about 1.5gr.</p>	<p>TOP VIEW</p> <p>HFS-1C-**</p> <p>HFS-1C-**D</p> <p>HFS-1C-**W</p>