

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

Part number • Feature

HFSS-1A-**(W)

Coaxial shield
Coil Voltage

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 m MAX (Initial)			
Electrical Specifications	Breakdown Voltage	Open Contacts DC.200V (1 min) Contact to shield DC.200V (1min) Shield to coil DC.200V (1 min)			
	Insulation Resistance	Between all isolated pins 1×10^{10} MIN (DC100V)			
	Capacitance	Open Contacts 0.1pF MAX.(shield Guarding) Contact to shield 2pF MAX.			
	Thermal Electromotive Force	40μV TYP. (W-type: 50μV 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 to +60			
Life Expectancy	Mechanical	1X10 ⁸ MIN. Operations			
	Electrical	DC.10mV-10μA 1X10 ⁸ MIN. Operations (R.L.)			
High frequency characteristics (in-output impedance 50)	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 Number	Nominal Voltage DC. ± 10%(V)	Coil Resistance ± 10%()at20	Nominal Current (mA)	Must Operate Voltage MAX. (V)at20
1a	HFSS-1A-24(W)	24	1200	20.0	16.8
	HFSS-1A-12(W)	12	600	20.0	8.4
	HFSS-1A-05(W)	5	160	31.3	3.8

Dimensions /Terminal Identification (Unit:mm)

Dimensions	Terminal Identification
<p>17.7 MAX</p> <p>5.05 MAX.</p> <p>0.3 ± 0.1</p> <p>0.45</p> <p>2.54 ± 0.1</p> <p>10.16 ± 0.2</p> <p>2.54 ± 0.1</p> <p>1 2 6 7</p> <p>14 8</p> <p>BOTTOM VIEW</p> <p>weight about 1.0gr.</p>	<p>TOP VIEW</p> <p>HFSS-1A-**</p> <p>14 8</p> <p>1 6 7</p> <p>HFSS-1A-**W</p> <p>14 8</p> <p>1 2 6 7</p>

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