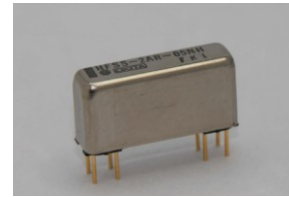


# Micro Size Low Stray Capacitance Independent Coil Driving type (2a , Dry Reed Relay)

## ■ Part number • Feature

### ● HFSS-2AR-※※NH

Coil Voltage



- High density mount : Mountable 2a contact on 1a contact type's area
- Long life :  $3 \times 10^8$  Operations
- Height : 9mm

## ■ Performance

Specifications	Item	Standard
Contact Specifications	Contact Form	2a (make)
	Contact Rating	10 W
	Max. Switching Voltage	DC,100 V
	Max. Switching Current	0.5 A
	Max. Carry Current	1.0 A
	Contact Resistance	150mΩ MAX(initial)
Electrical Specifications	Break Voltage	Between Contact DC,200V Contacts to coil DC,200V Contacts to shield DC,200V Coil to shield DC,200V
	Insulation Resistance	Between all isolated pins $1 \times 10^{11}$ MIN. (DC,100V)
	Capacitance	Across Open contacts 0.2pF TYP.(shield guarding) Contact to shield 1.7pF TYP.
	Thermal Electromotive Force	40 μV TYP.
	Operate Time	(incl. bounce) 0.35msec MAX. (at Nominal Voltage)
	Release Time	0.25msec MAX. (at Nominal Voltage)
Mechanical Specifications	Vibration	20G (0~2kHz, 1.5mm)
	Shock	30G (11msec, 1/2 sine wave)
Environment	Operating Temperature	-20°C~+60°C
Life Expectancy	Mechanical	$3 \times 10^8$ MIN. Operations
	Electrical	

## ■ Coil Specifications

Part Name	Nominal Voltage DC,±10%(V)	Coil Resistance ±10%(Ω)at20°C	Nominal Current (mA)	Must-Operate Voltage MAX.(V)at20°C
HFSS-2AR-12NH	12	600	20.0	8.4
HFSS-2AR-05NH	5	160	31.3	3.6

## ■ Dimensions/Terminal Identification (Unit : mm)

Dimensions	Terminal Identification
<p>5.08max</p> <p>17.7max</p> <p>9.0±0.2</p> <p>2.54±0.1</p> <p>10.16±0.1</p> <p>2.54±0.1</p> <p>8-φ0.45</p> <p>1 2 6 7</p> <p>14 13 9 8</p> <p>BOTTOM VIEW</p>	<p>TOP VIEW</p> <p>14 13 9 8</p> <p>1 2 6 7</p> <p>(Two Coil drive)</p> <p>COIL CONTACT</p> <p>2-13 pin → 1-7 pin → ON</p> <p>9-13 pin → 8-14 pin → ON</p>