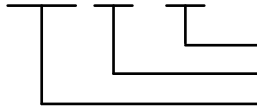


■ Parts Number • Feature

● HFS(S)-1TH-※※(D)(W)



W : Dual Electrostatic shield

D : with Diode

Coil Voltage

- Low stray capacitance
- Small size or Micro size PCB type
- 1 Form a + 1 Form b(1 Transfer)

■ Performance

Specifications	Item	Standard
Contact Specifications	Contact Form	1 Form a + 1 Form b(Transfer)
	Contact Rating	10W
	Max. Switching Voltage	DC.100V
	Max. Switching Current	0.5A
	Max. Carry Current	1.0A
	Contact Resistance	150mΩ MAX.(Initial)
Electrical Specifications	Breakdown Voltage	Open contacts, Between each Conductors DC.200V (1min)
	Insulation Resistance	Open contacts, Contact to Guard $1 \times 10^{10} \Omega$ MIN.(DC.100V)
	Capacitance	Open contacts 0.6pF MAX.(Connect G terminal to earth)
	Thermal Electromotive Force	60μV TYP.
	Operate Time	(include bounce) 1.0msec MAX.(at Nominal Voltage)
Mechanical Specifications	Release Time	1.0msec MAX.(at Nominal Voltage)
	Vibration	20G(0~2kHz,1.5mm)
Environment	Shock	30G(11msec,1/2 sine wave)
	Operating Temperature	-10°C~+60°C
Life Expectancy	Mechanical	3×10^8 Operations MIN.
	Electrical	DC.10mV-10μA 3×10^8 Operations MIN. (R.L.)
Please contact us for service life data.		

■ Coil Specifications

Parts Number	Nominal Voltage DC $\pm 10\%$ [V]	Coil Resistance $\pm 10\%[\Omega]$ at20°C	Nominal Current [mA]	Must Operate Voltage MAX.[V]at20°C
HFS-1TH-24(D)(W)	24	1,600	15.0	16.8
HFS-1TH-12(D)(W)	12	600	20.0	8.4
HFS-1TH-05(D)(W)	5	160	31.3	3.8
HFSS-1TH-24(D)(W)	24	1,200	20.0	16.8
HFSS-1TH-12(D)(W)	12	400	30.0	8.4
HFSS-1TH-05(D)(W)	5	140	35.7	3.8

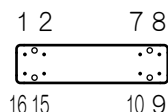
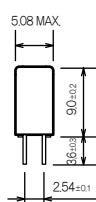
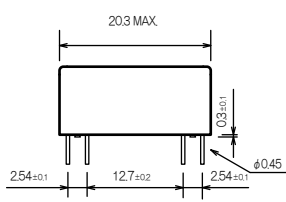
■ High frequency characteristics (I/O impedance 50Ω)

Parts Number	Item	Frequency		
		10MHz	50MHz	100MHz
HFS-1TH-※※(D)(W)	Return Loss	35dB MIN.	30dB MIN.	25dB MIN.
	Isolation	45dB MIN.	30dB MIN.	27dB MIN.
	Insertion Loss	0.1dB MAX.	0.18dB MAX.	0.2dB MAX.
HFSS-1TH-※※(D)(W)	Return Loss	35dB MIN.	30dB MIN.	25dB MIN.
	Isolation	45dB MIN.	30dB MIN.	27dB MIN.
	Insertion Loss	0.1dB MAX.	0.18dB MAX.	0.2dB MAX.

■ Dimensions / Terminal Identification (Unit : mm)

TOP VIEW

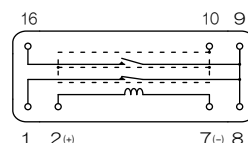
● HFS-1TH-※※(D)(W)



BOTTOM VIEW
weight approximately 2.1gr.

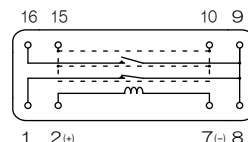
(15pin : W type)

HFS-1TH-※※



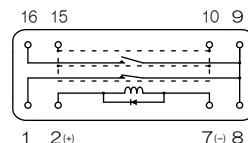
1-8,9 : CONTACT(N.C.)
16-8,9 : CONTACT(N.O.)
2-7 : COIL
10 : GUARD

HFS-1TH-※※W



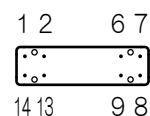
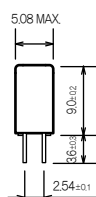
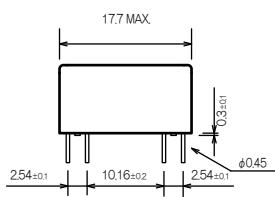
1-8,9 : CONTACT(N.C.)
16-8,9 : CONTACT(N.O.)
2-7 : COIL
10,15 : GUARD

HFS-1TH-※※DW



1-8,9 : CONTACT(N.C.)
16-8,9 : CONTACT(N.O.)
2-7 : COIL
10,15 : GUARD

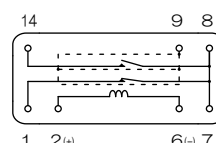
● HFSS-1TH-※※(D)(W)



BOTTOM VIEW
weight approximately 1.9gr.

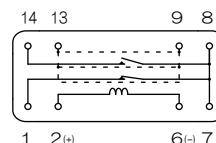
(13pin : W type)

HFSS-1TH-※※



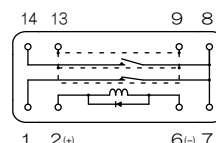
1-7,8 : CONTACT(N.C.)
14-7,8 : CONTACT(N.O.)
2-6 : COIL
9 : GUARD

HFSS-1TH-※※W



1-7,8 : CONTACT(N.C.)
14-7,8 : CONTACT(N.O.)
2-6 : COIL
9,13 : GUARD

HFSS-1TH-※※DW



1-7,8 : CONTACT(N.C.)
14-7,8 : CONTACT(N.O.)
2-6 : COIL
9,13 : GUARD