

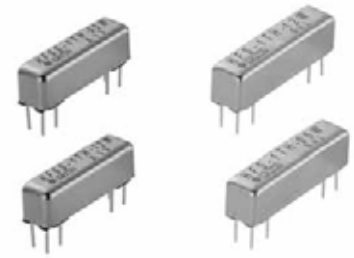
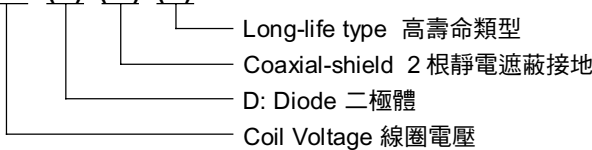
Small (Micro) Size and Low Stray Capacitance Type 小型 / 超小型低浮游容量類型

OKITA

1c · Reed Relay 1c · 干簧繼電器

Part Number / Feature 品名 / 特長

• HFS(S)-1TH- ** (D) (W) (U)



- It is a transfer-contact relay of contact rating 10W. Since it is a miniature (micro miniature) type, the necessary occupancy area of a printed circuit board is small and high-density mounting is possible. It excels in high frequency characteristic, and electrostatic and magnetic shields are provided
- 此為接點額定10W的切換繼電器。因體積小(超小型)的緣故，印刷電路板的占有面積少，能高密度組裝。且擁有良好的高頻特性，另添加靜電和磁氣遮蔽接地。

Performance 性能

Specifications 規格	Item 項目	Standard 規格
Contact Specifications 接點規格	Contact Form 接點型式	1c (1a, 1b)
	Contact Rating 接點額定	10 W
	Max. Switching Voltage 最大切換電壓	DC.100V
	Max. Switching Current 最大切換電流	0.5A
	Max. Carry Current 最大通電電流	1.0A
	Contact Resistance 接點接觸阻抗	150m Ω MAX. (Initial)
Electrical Specifications 電氣規格	Breakdown Voltage 耐電壓	Between contacts DC.200V Contacts to coil DC.200V Contacts to shield DC.200V Coil to shield DC.200V
	Insulation Resistance 絕緣阻抗	Between all isolated pins 1X10 ¹⁰ Ω MIN. (DC.100V)
	Capacitance 靜電容量	Across Open Contacts 0.6pF MAX. (Shield Guarding)
	Thermal Electromotive Force 熱起電力	50μ V MAX.
	Operate Time 動作時間	(incl bounce) 1.0mS MAX. (at Nominal Voltage)
	Release Time 釋放時間	(incl bounce) 1.0mS MAX. (at Nominal Voltage)
Mechanical Specifications 機械規格	Vibration 耐振動	20G (0~2KHz, 1.5mm)
	Shock 耐衝擊	30G (11mS, 1/2 Sin Wave)
Environmental 環境	Operating Temperature 使用周圍溫度	-10°C ~ +60°C
Life Expectancy 壽命	Mechanical 機械的	1X10 ⁸ MIN. Operations (3X10 ⁸ MIN. Operations → U type)
	Electrical 電氣的	DC.10mV-10mA 1X10 ⁸ MIN. Operations (R.L.) (3X10 ⁸ MIN. Operations → U type)

Coil Specifications 線圈規格

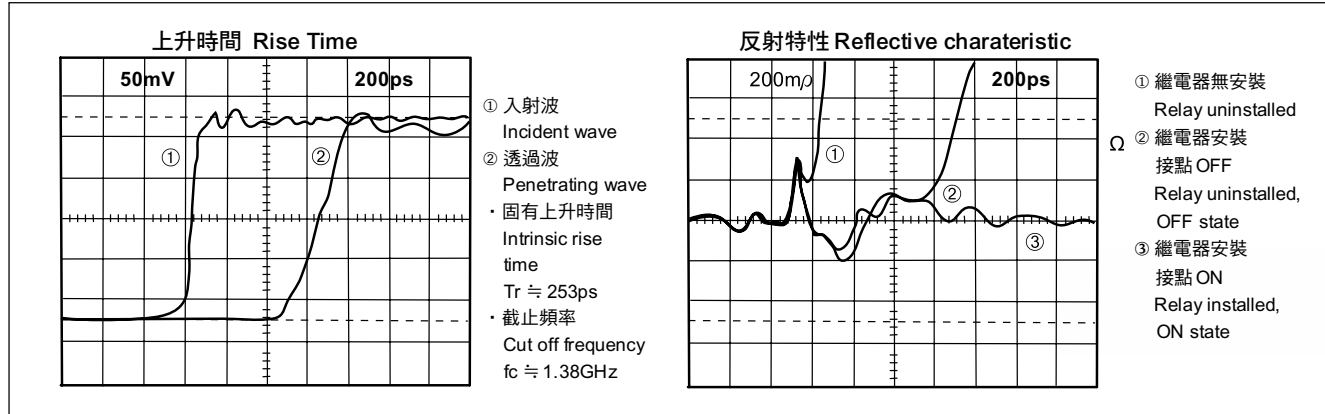
Part Number 品名	Nominal Voltage DC ± 10%[V] 額定電壓	Coil Resistance ± 10%[Ω] at 20°C 線圈阻抗	Nominal Current [mA] 額定電流	Must-Operate Voltage MAX.[V] at 20°C 啟動電壓
HFS-1 TH-24(D)(W)(U)	24	1600	15.0	16.8
HFS-1 TH-12(D)(W)(U)	12	600	20.0	8.4
HFS-1 TH-05(D)(W)(U)	5	140	35.7	3.8
HFSS-1 TH-24(D)(W)(U)	24	1200	20.0	16.8
HFSS-1 TH-12(D)(W)(U)	12	400	30.0	8.4
HFSS-1 TH-05(D)(W)(U)	5	140	35.7	3.8

High Frequency Characteristic (Input Output Impedance 50 Ω) 高頻特性 (輸出入電阻 50 Ω)

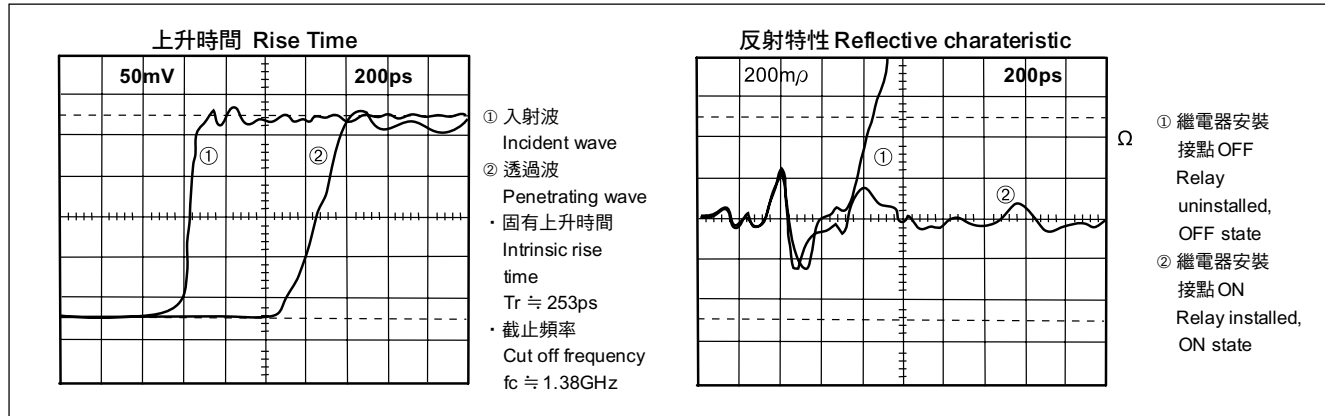
Part Number 品名	Item 項目	Frequency 頻數		
		10MHz	50MHz	100MHz
HFS-1 TH- ** (D) (W) (U)	Return Loss 反射損失	35dB MIN.	30dB MIN.	25dB MIN.
	Isolation 隔離絕緣	45dB MIN.	30dB MIN.	27dB MIN.
	Insertion Loss 插入損失	0.1dB MAX.	0.18dB MAX.	0.2dB MAX.
HFSS-1 TH- ** (D) (W) (U)	Return Loss 反射損失	35dB MIN.	30dB MIN.	25dB MIN.
	Isolation 隔離絕緣	45dB MIN.	30dB MIN.	27dB MIN.
	Insertion Loss 插入損失	0.1dB MAX.	0.18dB MAX.	0.2dB MAX.

Pulse Transmission Characteristic Data 脈衝傳輸特性數據

HFS-1TH ** (D)(W)(U)

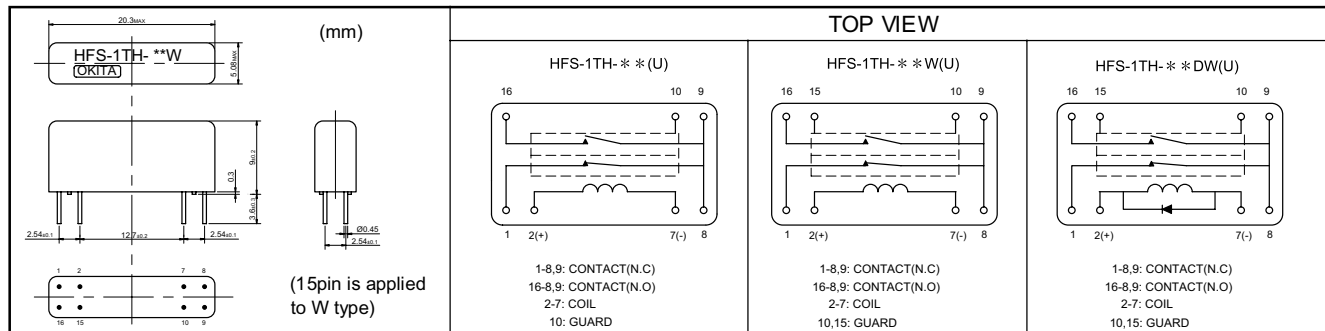


HFSS-1TH ** (D)(W)(U)

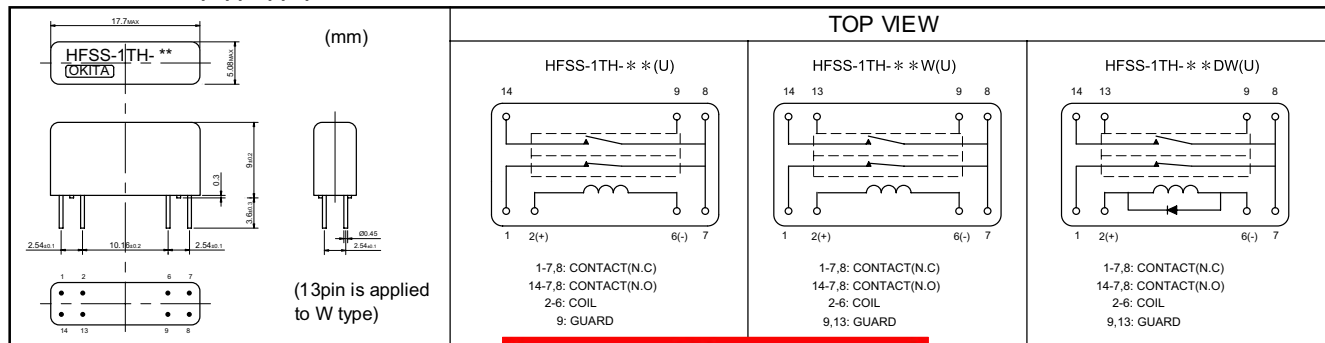


Dimensions / Terminal Identification (Unit: mm) 外型尺寸圖 / 結線圖 (單位: 毫米)

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