

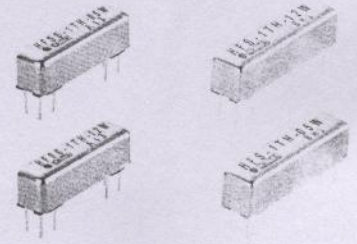
**OKITA**

1C · Reed Relay 1C · 干簧繼電器

**Part Number / Feature 品名 / 特長**

• HFS(S)-1TH- \*\* (D) (W) (U)

- Long-life type 高壽命類型
- Coaxial-shield 2根靜電遮蔽接地
- D: Diode 二極體
- Coil Voltage 線圈電壓



- 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	Open contacts DC.200V
		Contact to coil DC.200V
		Contact to shield DC.200V
		Coil to shield DC.200V
	Insulation Resistance 絕緣阻抗	Open contact 1X10 <sup>10</sup> Ω MIN. (DC.100V)
		Contact to G Pin 1X10 <sup>10</sup> Ω MIN. (DC.100V)
		Open Contact 0.6pF MAX. (Shield Guarding)
	50μ V MAX.	
Mechanical Specifications 機械規格	Operate Time 動作時間	(incl bounce) 1.0mS MAX. (at Nominal Voltage)
	Release Time 釋放時間	1.0mS MAX. (at Nominal Voltage)
	Vibration 耐振動	20G (0~55Hz, 1.5mm)
Environmental 環境	Shock 耐衝擊	30G (11mS, 1/2 Sin Wave)
		Operating Temperature 使用周圍溫度
Life Expectancy 壽命	Mechanical 機械的	1X10 <sup>8</sup> MIN. Operations
		(3X10 <sup>8</sup> MIN. Operations → U type)
	Electrical 電氣的	DC.10mV-10μA 1X10 <sup>8</sup> MIN. Operations (R.L.)
		(3X10 <sup>8</sup> MIN. Operations → U type)

**Coil Specifications 線圈規格**

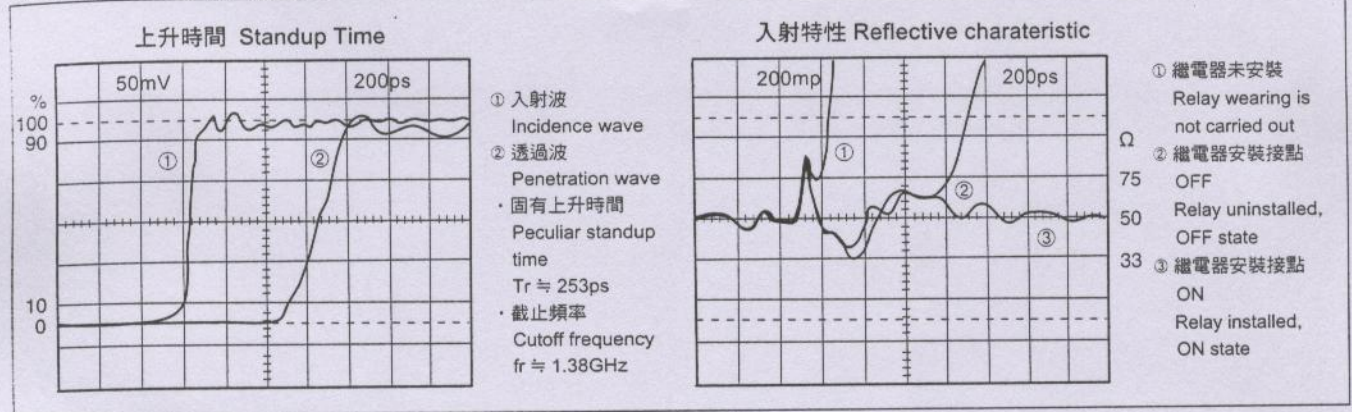
Part Number 品名	Nominal Voltage DC ± 10%[V] 額定電壓	Coil Resistance ± 10%[Ω] at 20°C 線圈阻抗	Nominal Current [mA] 額定電流	Must-Operate Voltage MAX.[V] at 20°C 啟動電壓
HFS-1TH-24(D)(W)(U)	24	1600	15.0	16.8
HFS-1TH-12(D)(W)(U)	12	600	20.0	8.4
HFS-1TH-05(D)(W)(U)	5	160	31.2	3.8
HFSS-1TH-24(D)(W)(U)	24	1200	20.0	16.8
HFSS-1TH-12(D)(W)(U)	12	400	30.0	8.4
HFSS-1TH-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)**

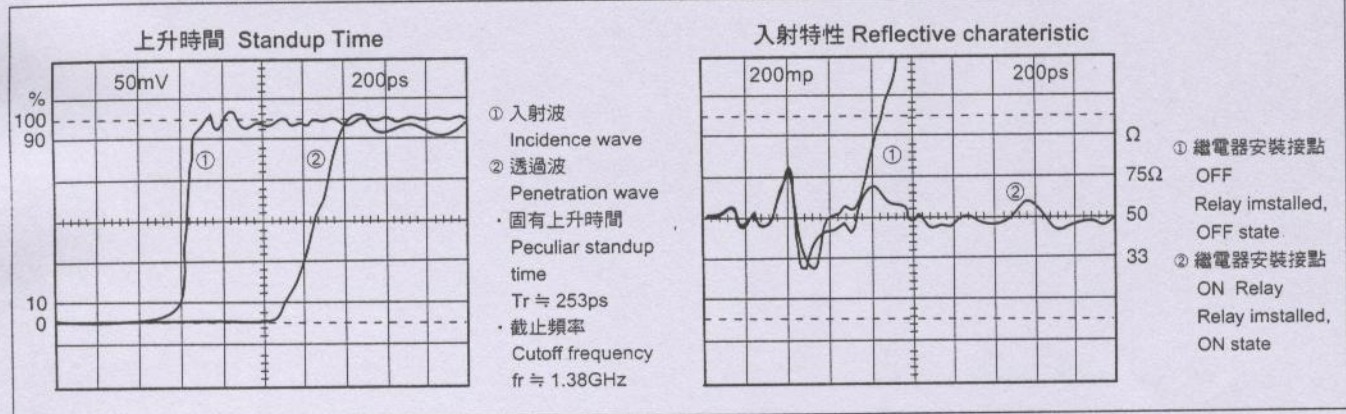
Part Number 品名	Item 項目	Frequency 頻數		
		10MHz	50MHz	100MHz
HFS-1TH- ** (D)(W)(U)	Return Loss 反射損失	35dB MIN.	30dB MIN.	25dB MIN.
	Isolation 隔離絕緣	45dB MIN.	30dB MIN.	27dB MIN.
	Insertion Loss 插入損失	0.1dB MAX.	0.18dB MIN.	0.2dB MIN.
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	Isolation 隔離絕緣	45dB MIN.	30dB MIN.	27dB MIN.
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### Pulse Transmission Characteristic Data 脈衝傳輸特性數據

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

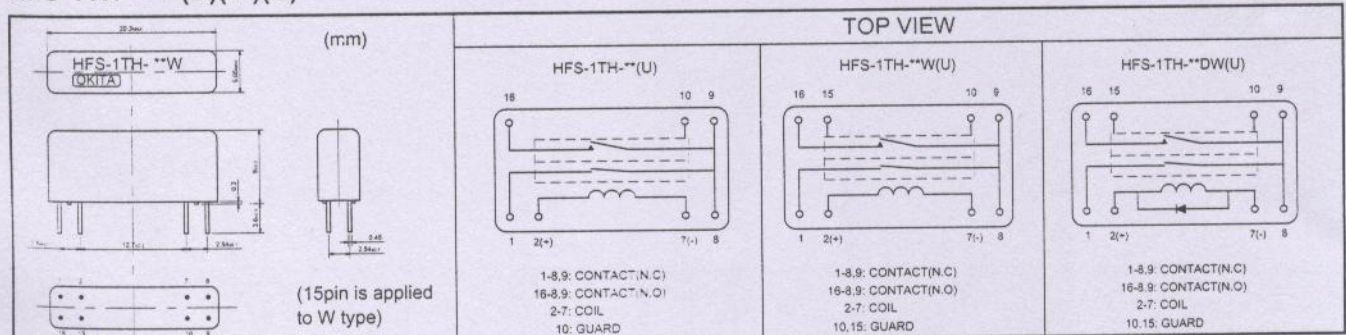


#### HFSS-1TH \*\* (D)(W)(U)



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

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



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

