

Micro-size Low Stray Capacitance Type 超小型低浮游電容類型

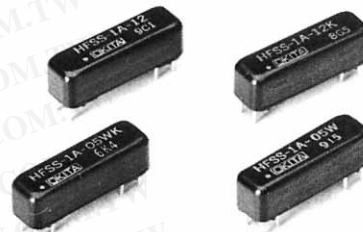
OKITA

1a · Reed Relay 1a · 干簧繼電器

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Part Number / Feature 品名 / 特長

- HFSS - 1A - ** (W)**
 - Coaxial-shield 2 根靜電遮蔽接地
 - Coil Voltage 線圈電壓
- It is designed 1 pitch shorter than HFS type in overall length ultimately. Since it is high speed and low stray capacitance, it is most suitable for tester of high frequency. Adjacent mounting is possible, because magnetic shield is provided. A special socket is prepared (Refer to 140-143 page).
- 比起HFS類型，此繼電器的體積更小。加上高速、低浮游電容的關係，適用於高頻的測試上。除此添加磁氣遮蔽接地關係，能緊密組裝。另備有專用插座。(請參照第140-143頁)



Performance 性能

Specifications 規格	Item 項目	Standard 規格
Contact Specifications 接點規格	Contact Form 接點型式	1a (make)
	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 0.1pF MAX. (Shield Guarding) Contact to shield 2 pF MAX.
	Thermal Electromotive Force 熱起電力	40μV Typ.
	Operate Time 動作時間	(incl. bounce) 0.5mS MAX. (at Nominal Voltage)
	Release Time 釋放時間	0.2mS 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
	Electrical 電氣的	DC.10mV-10mA 1X10 ⁸ MIN. Operations (R.L.) Refer 13 Page (I) for Life data.
High frequency characteristic (input output impedance 50 Ω) 高頻特性(輸出入電阻 50 Ω)	Return Loss 反射損失	10MHz 30dB MIN. 50MHz 25dB MIN.
	Isolation 隔離絕緣	10MHz 50dB MIN. 50MHz 40dB MIN.
	Insertion Loss 插入損失	10MHz 0.12dB MAX. 50MHz 0.14dB MAX.

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
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) 外型尺寸圖 / 結線圖 (單位:毫米)

