

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

Part Number / Feature 品名 / 特長

• HFS - 1A - * * *

- D : Diode 二極體
- W : Coaxial-shield type 2 根靜電遮蔽接地
- Y: Coaxial-shield difference terminal identification 2 根不同配線的靜電接地
- Coil Voltage 線圈電壓



- Since it is a miniature type, low stray capacitance, electrostatic shield is provided, it is most suitable for tester of high frequency. Furthermore, since Operate Time is high speed as 240µs TYP., it is most suitable for the tester of high speed. Adjacent mounting is possible. A special socket is prepared (Refer to 140-143 page).
- Wide operating temperature type (-55 ~ +140°C) HFS-1A-054Y, HFS-1A-054, HFS-1A-054YU
- Long life type 3 x 10⁹ operations: HFS-1A-054YU
- 超小型低浮游電容類型，因為添加靜電遮蔽接地，高頻，且動作時間為 240µs 的高速，適用於需要速度要求的測試上。除了能緊密組裝外，也備有專用插座。(請參考第 140-143 頁)
- 另備有超寬溫度 -55 ~ +140°C 機種為 HFS-1A-054Y, HFS-1A-054, HFS-1A05YU
- 另備有 3x10⁹ 高壽命繼電器，機種為 HFS-1A-054YU

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.300V Contacts to shield DC.300V
	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 回流損失	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
HFS-1A-24(D,W,Y)	24	1200	20.0	16.8
HFS-1A-12(D,W,Y)	12	600	20.0	8.4
HFS-1A-05(D,W,Y)	5	160	31.3	3.8

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

