

Small Size and Low Stray Capacitance and Transfer 小型低浮游容量切換類型

OKITA

1c · Reed Relay 1c · 干簧繼電器

Part Number / Feature 品名 / 特長

- **HFS-1C-**-*(D)(W)**
 W : Coaxial-shield type 2 根靜電遮蔽接地
 D : Diode 二極體
 Coil Voltage 線圈電壓

- Since it is a miniature transfer-contact type and low stray capacitance, and electrostatic shield is provided, it can use for high frequency. Since magnetic shield is provided, adjacent mounting is possible. A special socket is prepared (Refer to 140-143 page).
- 超小體積、低浮游電容類型, 添加靜電遮蔽接地, 即使高頻也能使用。另添加磁氣遮蔽接地的關係, 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	1c (transfer)
	Contact Rating 接點額定	3 W
	Max. Switching Voltage 最大切換電壓	DC.30V
	Max. Switching Current 最大切換電流	0.1A
	Max. Carry Current 最大通電電流	0.5A
Electrical Specifications 電氣規格	Contact Resistance 接點接觸阻抗	150m Ω MAX. (Initial)
	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 1×10^{10} Ω MIN. (DC.100V)
Capacitance 靜電容量	Across Open contacts 1.5pF MAX. (Shield Guarding)	
	Contact to shield 4pF MAX.	
Thermal Electromotive Force 熱起電力	40μV Typ.	
Operate Time 動作時間	(incl. bounce) 1.0mS MAX. (at Nominal Voltage)	
	Release Time 釋放時間	(incl. bounce) 1.5mS 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	5X10 ⁷ MIN. Operations
	Electrical 電氣的	DC.10mV-10mA 5X10 ⁷ MIN. Operations (R.L.)
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 35dB MIN. 50MHz 25dB MIN.
	Isolation 隔離絕緣	10MHz 40dB MIN. 50MHz 30dB MIN.
	Insertion Loss 插入損失	10MHz 0.13dB MAX. 50MHz 0.16dB 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-1C-24 (D,W)	24	1200	20.0	16.8
HFS-1C-12 (D,W)	12	400	30.0	8.4
HFS-1C-05 (D,W)	5	100	50.0	3.8

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

