

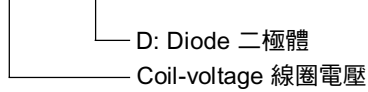
Small Low Stray Capacitance Type 小型低浮游電容類型

1a · Mercury Relay 1a · 水銀繼電器

OKITA

Part Number / Feature 品名 / 特長

• HFW - 1A- * * S (D)



- Since it is a miniature type, low stray capacitance, and electrostatic shield is provided, it can use for high frequency. While it is miniature type, it is high power of Contact Rating 50W. Since the magnetic shield is provided, adjacent mounting is possible. A special socket is prepared (Refer to 140-143 page).
- 屬於超小型、低浮游電容類型，加上添加靜電接地的關係，即使高頻也能使用。雖然是超小型但是50W的高功率，但因添加磁氣屏蔽的關係，能緊密組裝。另備有專用插座。(請參照 140-143 頁)



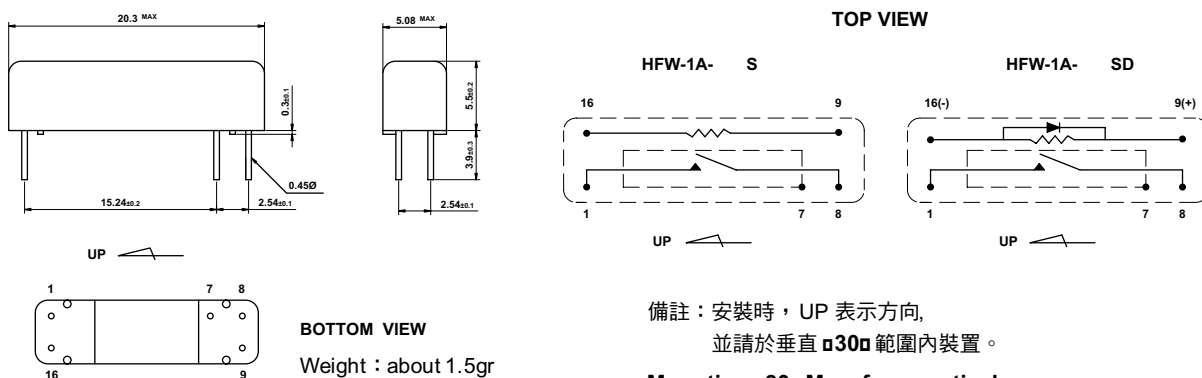
Performance 性能

Specifications 規格	Item 項目	Standard 規格			
Contact Specifications 接點規格	Contact Form 接點型式	1a (make mercury)			
	Contact Rating 接點額定	50 W			
	Max. Switching Voltage 最大切換電壓	DC. 500V			
	Max. Switching Current 最大切換電流	1 A			
	Max. Carry Current 最大通電電流	2 A			
	Contact Resistance 接點接觸阻抗	100m Ω MAX.			
Electrical Specifications 電氣規格	Breakdown Voltage 耐電壓	Between contacts DC. 500V Contacts to coil DC. 500V Contacts to shield DC. 500V Coil to shield DC. 500V			
	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 8pF MAX.			
	Thermal Electromotive Force 熱起電力	60μV Typ.			
	Operate Time 動作時間	(1 Pulse) 2.0mS MAX. (at Nominal Voltage)			
	Release Time 釋放時間	(1 Pulse) 1.5mS MAX. (at Nominal Voltage)			
Mechanical Specifications 機械規格	Vibration 耐振動	20G (0~55Hz, 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 ⁹ MIN. Operations			
	Electrical 電氣的	DC.10mV-10mA 1X10 ⁹ MIN. Operations (N-I) Refa 14 page (IV) for Lifedata			
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	65dB MIN.	50MHz	54dB MIN.
	Insertion Loss 插入損失	10MHz	0.06dB MAX.	50MHz	0.10dB 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
HFW-1A-24S(D)	24	1400	17.1	16.8
HFW-1A-12S(D)	12	400	30.0	8.4
HFW-1A-05S(D)	5	80	62.5	3.8

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



備註：安裝時，UP 表示方向，
並請於垂直 ±30° 範圍內裝置。

Mounting ±30° Max. from vertical