

Small Stand 小型直立式類型

OKITA

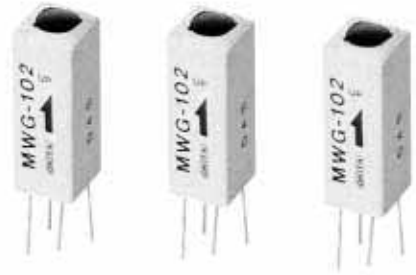
1a · Mercury Relay 1a · 水銀繼電器

Part Number / Feature 品名 / 特長

• MWG - 100

Coil-voltage 線圈電壓

- Since it is a stand type of small mounting space, the necessary occupancy area of a printed circuit board is a very small. Magnetic shield is provided. Therefore adjacent mounting is possible. If mounted on a level printed circuit board, the attachment direction of it can be disregarded. Electrostatic shield type is prepared separately.
- 此為站立式類型，基板占有面積非常小，添加磁氣屏蔽，能緊密組裝。若是運用在水平的基板上的話，可無視水銀的安裝方向。另備有靜電接地。



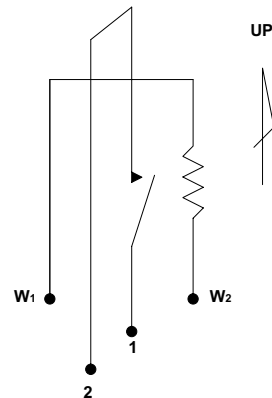
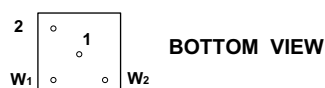
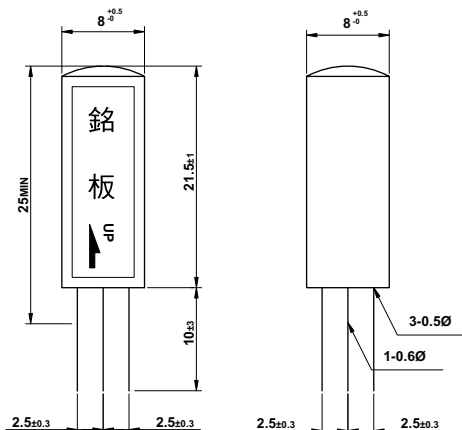
Performance 性能

Specifications 規格	Item 項目	Standard 規格
Contact Specifications 接點規格	Contact Form 接點型式	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
	Insulation Resistance 絕緣阻抗	Between all isolated pins $1 \times 10^9 \Omega$ MIN. (DC.100V)
	Capacitance 靜電容量	Across Open contacts 1.8pF Typ.
	Thermal Electromotive Force 熱起電力	60μV Typ.
	Operate Time 動作時間	(1 Pulse) 2.5mS MAX. (at Nominal Voltage)
	Release Time 釋放時間	(1 Pulse) 2.0mS 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	1×10^9 MIN. Operations
	Electrical 電氣的	DC.10mV-10mA 1×10^9 MIN. Operations (R.L.)
		Refer 14 page (IV) for Life data

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
MWG-101	24	1600	15.0	18.0
MWG-102	12	400	30.0	9.0
MWG-104	5	100	50.0	3.8

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



Weight: about 4.1gr

備註：安裝時，UP 表示方向，並請於垂直 $\square 30\text{mm}$ 範圍內裝置。