

# High Voltage of DC. 4KV Type DC. 4KV 高耐壓用

## OKITA

### 1a · Mercury Relay 1a · 水銀繼電器

#### Part Number / Feature 品名 / 特長

- MRL - 100PC

Coil-voltage 線圈電壓

- High Breakdown Voltage of DC.4KV, since it is a printed circuit board type, it decreases time and effort of mounting sharply. The axial-lead (tubular type) is prepared separately. The magnetic shield is provided.
- 耐壓設計為 DC. 5KV 的高耐壓，此為印刷電路板類型，故組裝時間能大幅減少。另有兩端出線類型，添加磁氣屏蔽。



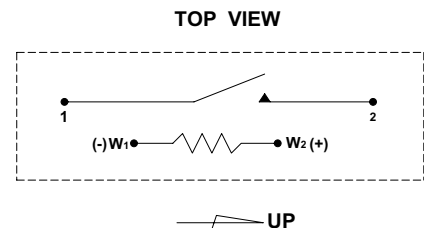
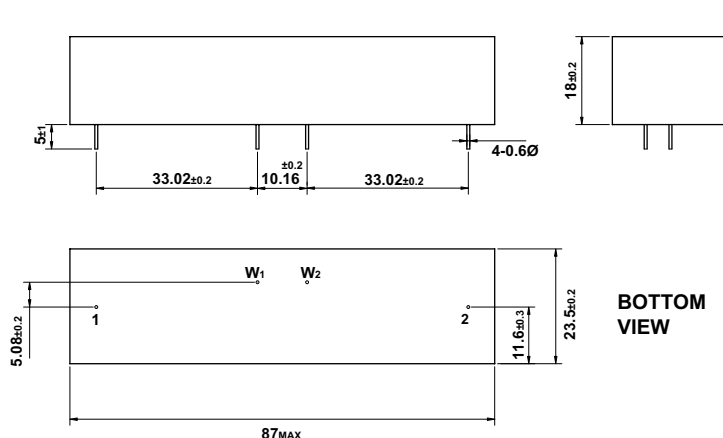
#### Performance 性能

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	100 W
	Max. Switching Voltage 最大切換電壓	DC. 1000V (When switching DC1000V, Current is 30mA MAX)
	Max. Switching Current 最大切換電流	2 A
	Max. Carry Current 最大通電電流	10 A
Electrical Specifications 電氣規格	Contact Resistance 接點接觸阻抗	100m Ω MAX.
	Breakdown Voltage 耐電壓	Between contacts DC.4000V Contacts to coil DC.4000V
	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 3pF Typ. Contact to coil 12pF Typ.
	Thermal Electromotive Force 熱起電力	80μV TYP.
	Operate Time 動作時間	(1 Pulse) 3.0mS MAX. (at Nominal Voltage)
	Release Time 釋放時間	(1 Pulse) 3.0mS 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 X 10 <sup>10</sup> MIN. Operations
	Electrical 電氣的	DC.1000V-30mA 1 X 10 <sup>8</sup> MIN. Operations (R.L.) DC.50V-2A 1 X 10 <sup>8</sup> MIN. Operations (R.L.)

#### 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
MRL-101PC	24	1200	20.0	16.8
MRL-102PC	12	400	30.0	8.4
MRL-104PC	5	100	50.0	3.5

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



Weight: about 60gr

備註：安裝時，UP 表示方向，並請於垂直 ±30° 範圍內裝置。