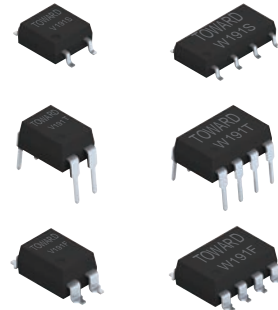


## V/W

## Features

- No EMI/RFI generation
- High reliability
- No moving parts
- Low drive power requirement (TTL / CMOS Compatible Control)
- Suffix-H for High input-output isolation (SOP 3750VAC / DIP 5000VAC)



## Applications

- Telecommunication
- Programmable controllers
- MOSFET/IGBT driver

## Part Identification

V 191 S  
a b c

a : Series name :  
V = 4 Pin ; W = 8 Pin  
b : Function code : 191 、 192  
c : Packing :  
T = DIP ; F = SMD ; S = SOP

## Quantity

Tube 45 pcs  
Tape 1000 pcs

## Electrical Specifications (Ambient Temperature : 25°C )

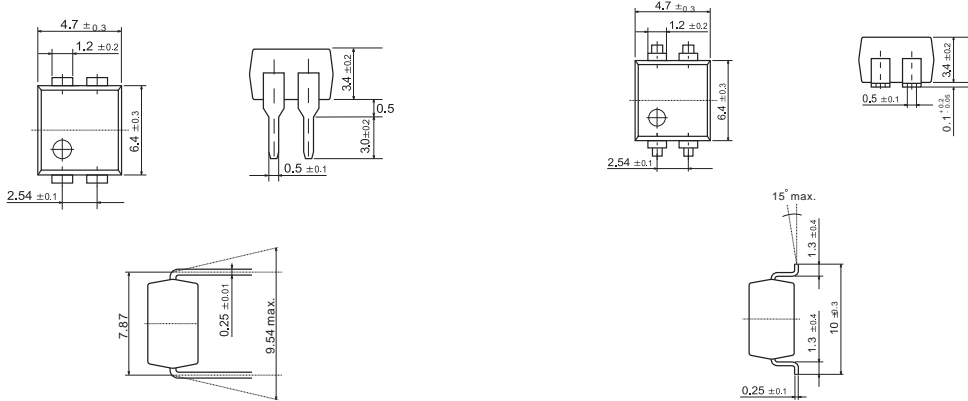
Item		Symbol	MIN.	TYP.	MAX.	Units	Conditions		
Input 輸入	LED Forward Voltage LED 順向電壓	V <sub>F</sub>	1.2	1.4	1.7	V	I <sub>F</sub> =10mA		
	Recovery Current 反向電流	I <sub>R</sub>			10	μA	V <sub>R</sub> =5V		
Output 輸出	Open Voltage 開路電壓	V <sub>OC</sub>	7	8		V	I <sub>F</sub> =10mA		
	Short Current 短路電流	I <sub>SC</sub>	10	20		μA	I <sub>F</sub> =10mA		
Switching 切換	Turn-On Time 動作時間	T <sub>ON</sub>		0.2		ms	I <sub>F</sub> =20mA R <sub>SH</sub> =510KΩ C <sub>L</sub> =1000pF		
	Turn-Off Time 復位時間	T <sub>OFF</sub>		0.05		ms			
Isolation 阻抗	Isolation Resistance 絕緣阻抗	R <sub>I/O</sub>	10 <sup>9</sup>			Ω			
	Isolation Voltage 絕緣電壓	BV	2500			V <sub>RMS</sub>	SOP	AC, 1minute R.H. ≤ 60%	
			3750			V <sub>RMS</sub>	DIP/SMD		
Isolation Voltage 絕緣電壓 (Suffix-H)	BV-H	3750			V <sub>RMS</sub>	SOP	AC, 1minute R.H. ≤ 60%		
		5000			V <sub>RMS</sub>	DIP/SMD			
Operating Temperature 使用時溫度		T <sub>opr</sub>	-40°C ~ +85°C						
Storage Temperature 保存溫度		T <sub>stg</sub>	-40°C ~ +100°C						

為了持續的改進，敝司有權在不影響規格範圍的情況下修改設計。

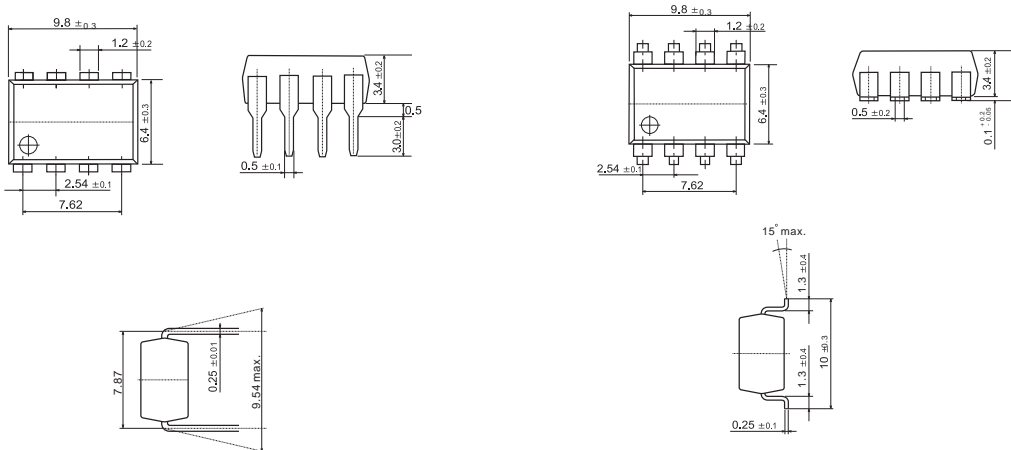
In the interest of continuous development, our companies reserve the right to alter designs within specification range.

Dimensions : UNIT : mm (inch)

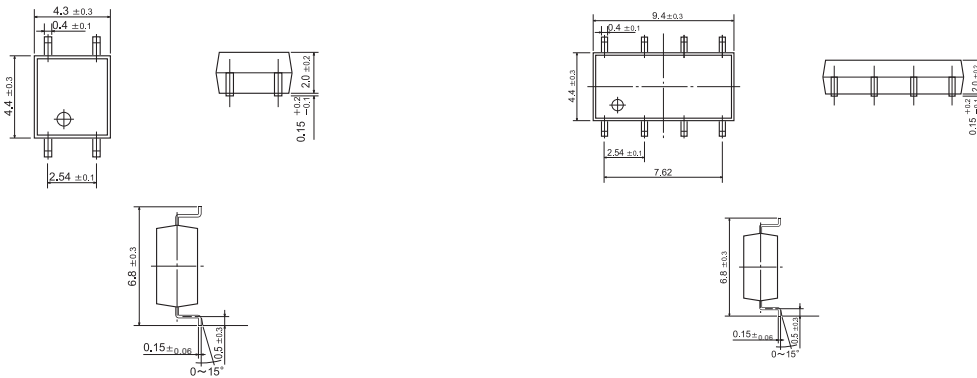
DIP & SMD 4PIN



DIP & SMD 8PIN

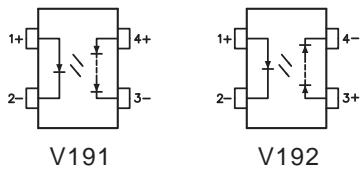


SOP 4PIN & 8PIN

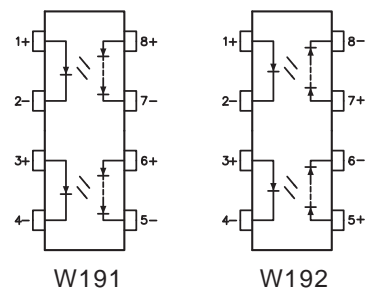


Circuit diagram

4PIN



8PIN



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PhotoMOS-FET Relays  
General-Purpose  
Hi-A Grade ≥ 1A

PhotoMOS-FET Relays  
Hi-V Grade ≥ 600V

PhotoMOS-FET Relays  
Low Leakage Current


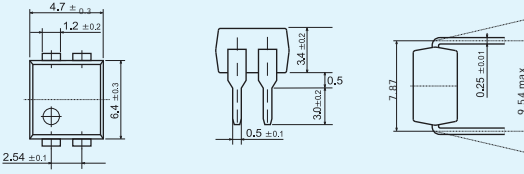
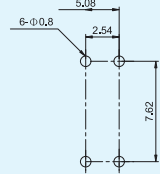

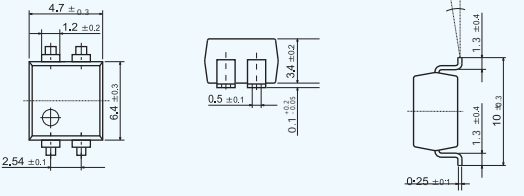
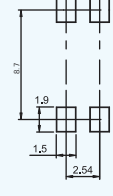

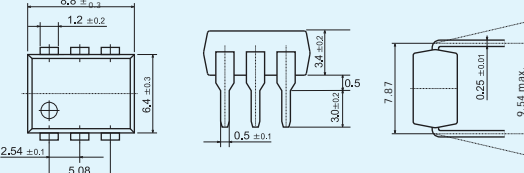
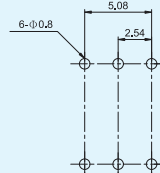

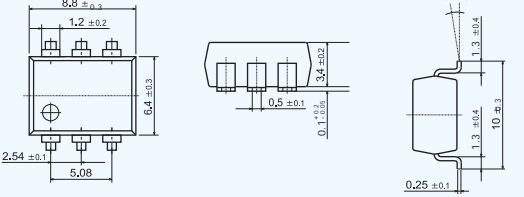
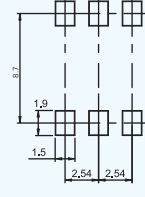

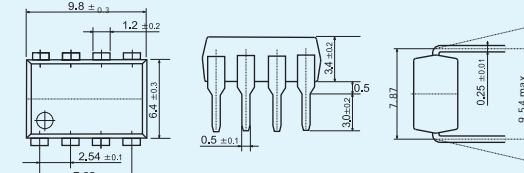
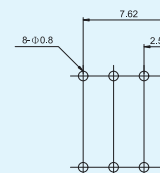

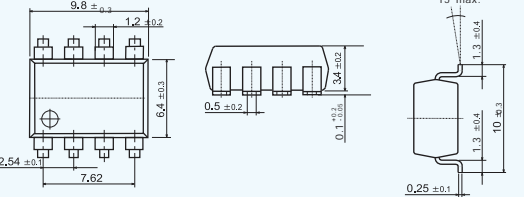
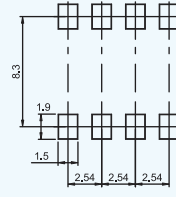
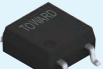
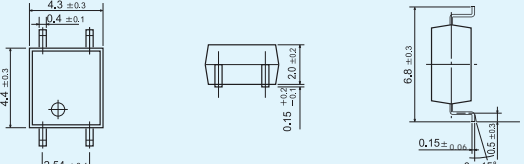
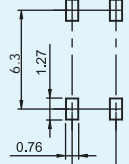

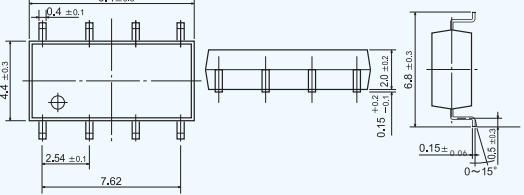
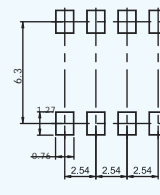
PhotoMOS-FET Relays  
RF

PhotoMOS-FET Relays  
Photo Coupler

PhotoMOS-FET Relays  
Mos Driver

Solid State Relays

Package & PC Board Pattern

Package 包裝	Dimensions 外型尺寸圖	PC Board pattern PC 板加工圖
 <p>DIP4</p>		 <p>(Bottom View)</p>
 <p>SMD4</p>		 <p>(Top View)</p>
 <p>DIP6</p>		 <p>(Bottom View)</p>
 <p>SMD6</p>		 <p>(Top View)</p>
 <p>DIP8</p>		 <p>(Bottom View)</p>
 <p>SMD8</p>		 <p>(Top View)</p>
 <p>SOP4</p>		 <p>(Top View)</p>
 <p>SOP8</p>		 <p>(Top View)</p>

為了持續的改進，敝司有權在不影響規格範圍的情況下修改設計。  
In the interest of continuous development, our companies reserve the right to alter designs within specification range.

Packing Specifications

Package Type 包裝類型	Tape shape & dimensions 形狀和尺寸	Reel shape & dimensions 圈帶形狀和尺寸	Quantity 數量
4 Pin SOP			1000 pcs
8 Pin SOP			1000 pcs
4 Pin SMD			1000 pcs
6 Pin SMD			1000 pcs
8 Pin SMD			1000 pcs

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Load Connecting Method

Type 類型	Load 負荷	Connection 接續方法	Feature 特長
4 pin	AC or DC		Control bi-directional signal 可控制雙向信號
6 pin	A	AC or DC	Control bi-directional signal 可控制雙向信號
	B	DC	On-Resistance is 1/2 of A-connection 導通電阻值是 A 接法的 1/2 2-Make-contacts (Source Common)
8 pin	AC or DC		2 input and 2 output 2 入力和 2 出力回路
			1 input and 2 output 1 入力和 2 出力回路

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