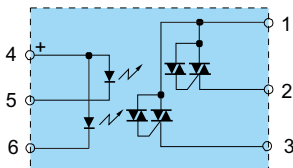
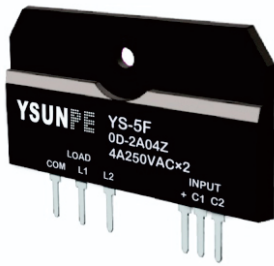




# Mid-power SSR

## Two-phase High-power SSR-5F



Under certification

### Product

- SIP mount
- Load current: 4A two-set
- Dielectric strength: 3000VAC
- Load voltage: 220VAC
- Trigger mode: Zero-cross and Non zero-cross

### Ordering Reference

YS-5F / □ □ □ □

Input voltage

0D: No internal current limiting resistor, should connect external resistors in series when using

Load voltage

2: 75 ~ 280VAC

Load current

04: 4A

Trigger mode

P: Non zero-cross

Z: Zero-cross

### Application

- Household appliances
- Medical treatment and medical devices
- CNC machine, robot machine etc.

### Model/Package

Model / Specification		Off-state peak voltage	On-state RMS current (2-set contats)	Package
Non zero-cross	Zero-cross			
0D-204P	0D-204Z	600V	4A	40 PCS/box 22 boxes/carton

## Technical parameters

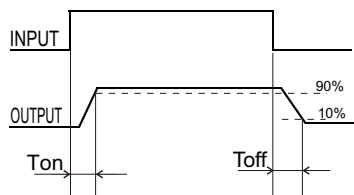
### ■ Max rated parameters ( Environment temperature : 25°C )

Item		Symbol	0D-204	Unit
Input	Work voltage		5 ~ 30	V
	Turn-on voltage	$V_{TON}$	4V(connect external 300Ω resistors in series), 9.6V(1KΩ), 19.2V(2KΩ)	V
	Turn-off voltage	$V_{TOFF}$	1V ( connect external resistors in series )	V
Output	On-state RMB current	$I_{T(RMS)}$	4	A
	Surge current (10ms)	$I_{TSM}$	80	A
	Repetitive peak off-state voltage	$V_{DRM}$	600	$V_{PK}$
Dielectric voltage	Input-output	$V_{iso}$	3000	VAC
Temperature	Work temperature	$T_{opr}$	-30 ~ 80	°C
	Storage temperature	$T_{stg}$	-40 ~ 100	°C

### ■ Electric parameters ( Environment temperature 25°C )

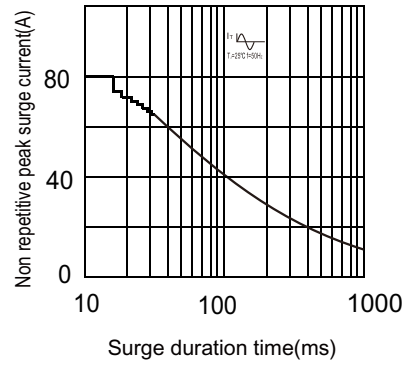
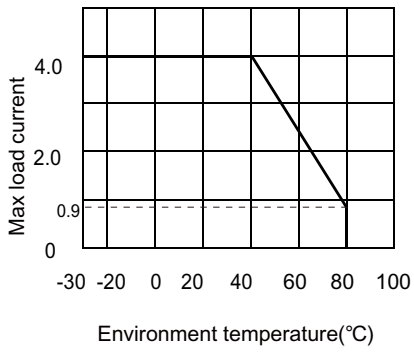
Item		Symbol	Test condition	Min	Typical	Max	Unit
Input	Max input current	$I_{max}$	$V_{in} = Max$			25	mA
	Forward voltage	$V_F$	$I_F = 10\text{ mA}$		1.16	1.3	V
	Reverse current	$I_R$	$V_R = 6\text{ V}$ $I_F = 0\text{ mA}$		0.1	10	μA
Output	On-state voltage drop	$V_T$	Rated load voltage 220VAC		1.2	1.6	V
	Output leakage current	$I_{leak}$	Load voltage 220VAC			1.5	mA
Transmission	Turn-On time	$T_{on}$	Zero-cross			10	mS
			Non zero-cross			1	mS
	Turn-off time	$T_{off}$				10	mS
	Insulation resistance	$R_{iso}$	500VDC(input-output)			1000	MΩ

### ■ Switch Time Waveform:

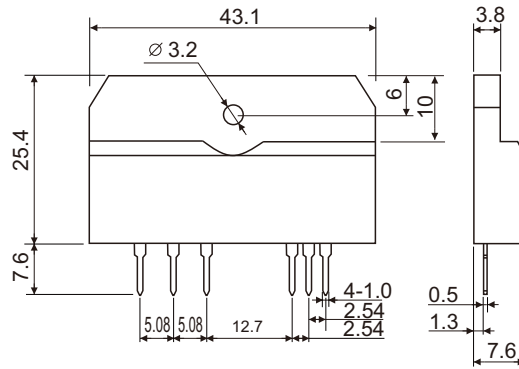


# Technical parameters

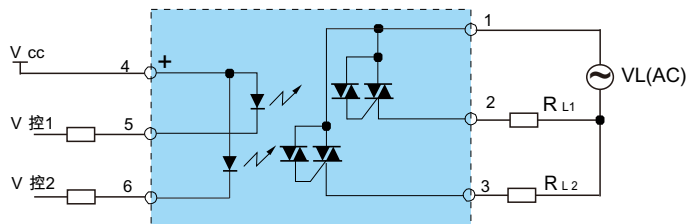
## Characteristic curve



## Outline dimensions ( mm )



## Connection diagram



## PCB dimensions(mm)

