

### ORDERING CODE

Example:

ZP=Zettler standard series

AP=Customized series

HP=High Performance series

DP=DC-DC

Output Power (W)

03=3W

20=20W

Output Type

S=Single Output

D=Dual Output

T=Triple Output

First Output Voltage

05=5V, 12=12V

Second Output Voltage

06=6V, 12=12V

00= No Second Output

Input AC Voltage Range

W=Wide Voltage Input

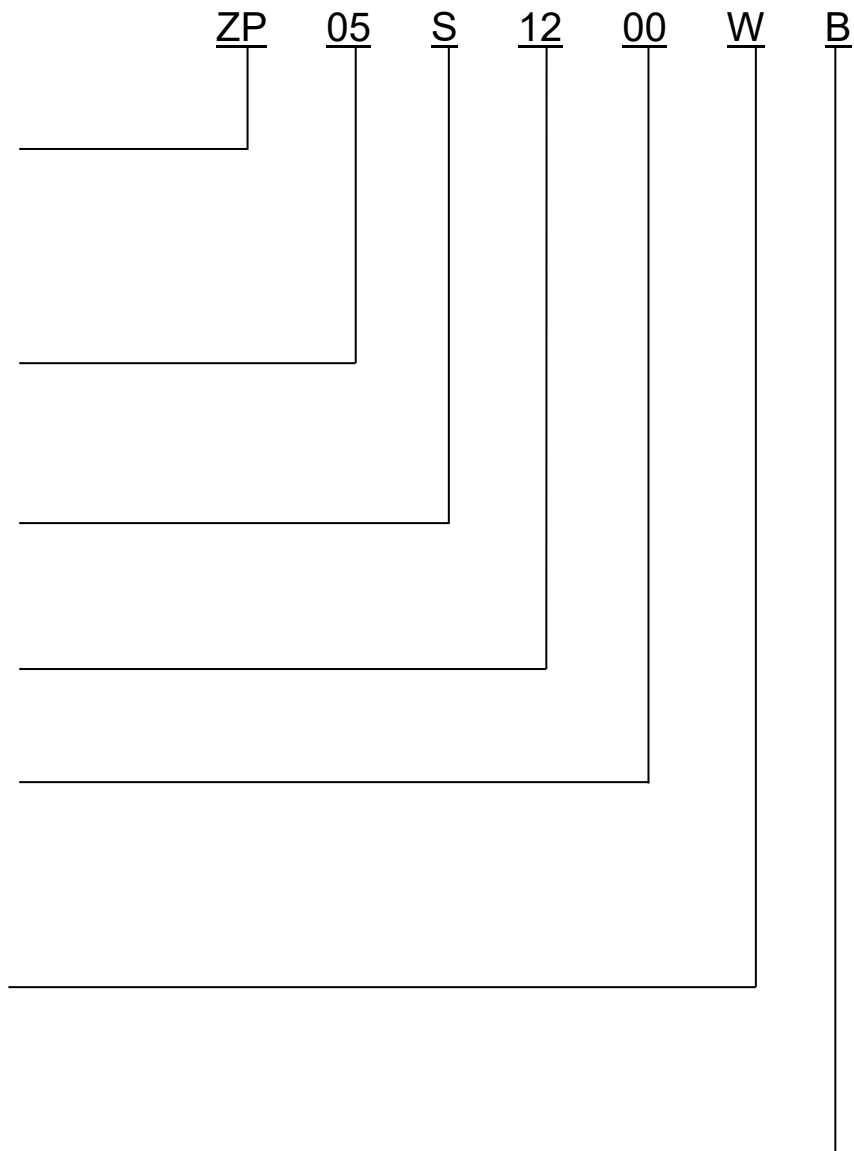
H=High Voltage Input ( $\geq 165\text{VAC}$ )

L=Low Voltage Input ( $< 165\text{VAC}$ )

Case Dimension

A: A Type case

B: B Type case...



### FEATURES

- PCB mounted switching Power module
- AC input voltage range: 90VAC~264VAC
- DC input voltage range: 100VDC~370VDC
- Ambient temperature range: -25°C~50°C
- Storage temperature range: -40°C~105°C
- Leakage current (Input :265VAC): <0.1mA
- Isolation voltage: Input –Output ≥3600VAC 60S
- Insulation Resistance: Input –Output 500VDC ≥100M Ohms
- MTBF: 300Khrs Min MIL-HDBK-217F (25°C)
- Compact size, easy installation
- High efficiency Low standby power consumption, environment-friendly
- Built-in output over current protection, over-voltage protection, short circuit protection
- Built-in EMI filter components, comply with the EN55032 class B standard
- Class II Construction

### APPLICATIONS

This series could be widely applied in the LED, light control, Instrument, smart home and other home appliances.

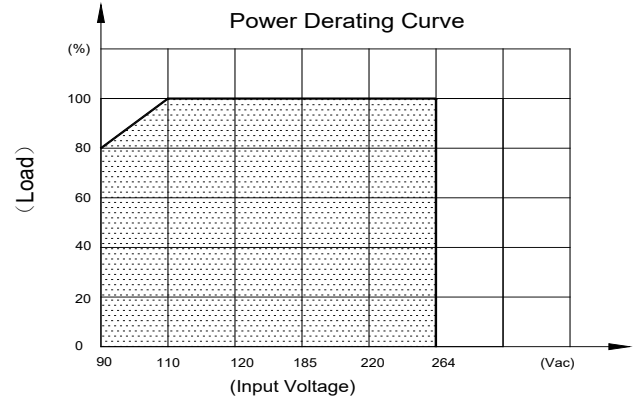
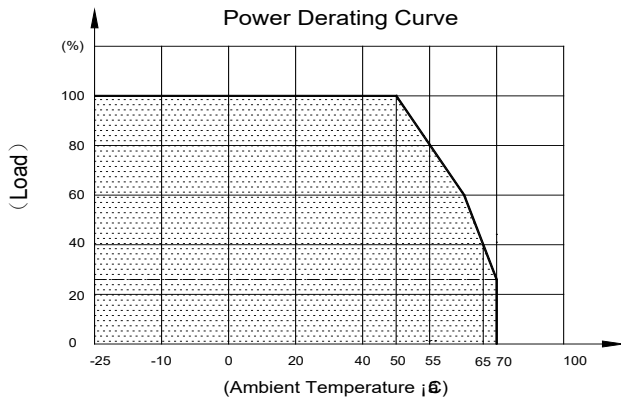
### MODEL LIST

Model No.	Output Power	DC Voltage	Rated Current	Efficiency 230VAC, % Typ.	Ripple&Noise (max)	Ambient TEMP(°C)	Weight	Certificate			
								UL	TUV	CE	CB
ZP05S0500WB	5W	5 Vdc	1000mA	70%	<5% Vout	50	30g	●	●	●	●
ZP05S0600WB	5W	6 Vdc	830mA	70%	<5% Vout	50	30g		●	●	
ZP05S0700WB	5W	7.5Vdc	670mA	70%	<5% Vout	50	30g				
ZP05S0900WB	5W	9Vdc	550mA	70%	<5% Vout	50	30g				
ZP05S1200WB	5W	12Vdc	420mA	70%	<5% Vout	50	30g	●	●	●	●
ZP05S1500WB	5W	15Vdc	330mA	70%	<5% Vout	50	30g	●	●	●	●
ZP05S1800WB	5W	18Vdc	280mA	70%	<5% Vout	50	30g	●	●	●	●
ZP05S2400WB	5W	24Vdc	210mA	70%	<5% Vout	50	30g	●	●	●	●

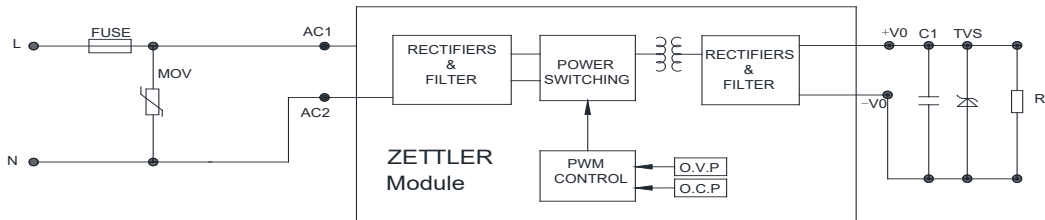
### ELECTRICAL SPECIFICATION

Model No.		ZP05SXX00WB		
Input	Rated Voltage	100-240VAC		
	Voltage Range	90-264VAC or 100~370VDC		
	Frequency (Hz)	47-63 Hz		
	Current (Full load)	115VAC	230VAC	
		100mA	65mA	
	Inrush Current (<500us)	10A	20A	
	No Load Loss	0.3W Max@230VAC		
HOT PLUG	Unavailable			
Output	Voltage (V)	Refer to "Model List"		
	Current (mA) max	Refer to "Model List"		
	Voltage Accuracy	0-10%: $\pm 7\%$ / 10%-100% : $\pm 5\%$		
	Line Regulation	$\pm 2\%$		
	Load Regulation	$\pm 3\%$		
	Minimum Load (mA)	0		
	Ripple & Noise	Refer to "Model List"		
	Efficiency (typ.)	Refer to "Model List"		
	Set-up Time	38.9ms/230Vac, 68.8ms/115Vac		
	Hold up Time	63.2ms/230Vac , 12.2ms/115Vac		
Protection	Over Current Protection	$\geq 120\%$ lo Self-recovery		
	Short Circuit Protection	Hiccup ,continuous ,short capable, self-recovery		
Environment	Operating Temperature	-25°C...+50°C @Free air convection		
	Operating Humidity	10-90% RH		
	Storage Temperature	-40°C...+105°C		
	Storage Humidity	5-95% RH		
	Temperature Coefficient	$\pm 0.05\%/^{\circ}\text{C}$ (0~50°C)		
Physical	Case Material	Plastic (UL 94V-0 rated)		
	Weight	30g (ref.)		
Safety & EMC	Dielectric Strength	I/P-O/P : 3600VAC		
	Safety Standards	Compliance With UL/EN62368-1 ,EN61558-2-16		
	EMI	Compliance With EN55032, CLASS B EN61000-3-2, EN61000-3-3	Need to add external EMC component (Refer to the Schematic)	
	EMS (Noise Immunity)	Compliance With EN55035		
Reliability Requirement	MTBF	300Khrs Min MIL-HDBK-217F (25°C)		
	Burn-In Test	The unit shall be burned in for 2~4 hours under 264Vac input and DC with full load at normal temperature		

## PRODUCT CHARACTERISTIC CURVE



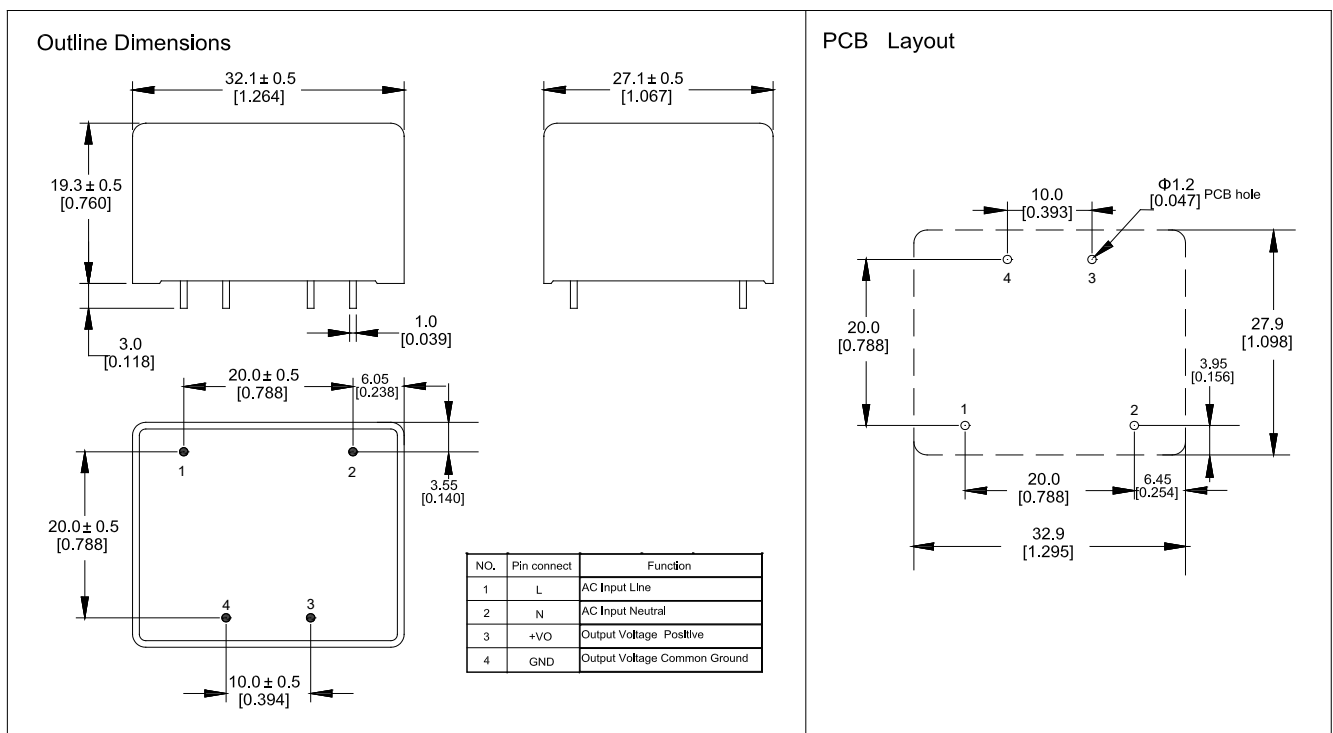
## TYPICAL APPLICATION SCHEMATIC



ITEM	MOV	FUSE
1~2W	14D561K	1A/250V
3~10W	14D561K	2A/250V
10~20W	14D561K	3.15A/250V

Note: External circuit components are only recommendations, customers should choose their own components and values according to their specific system application requirements.

## MECHANICAL SPECIFICATION



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