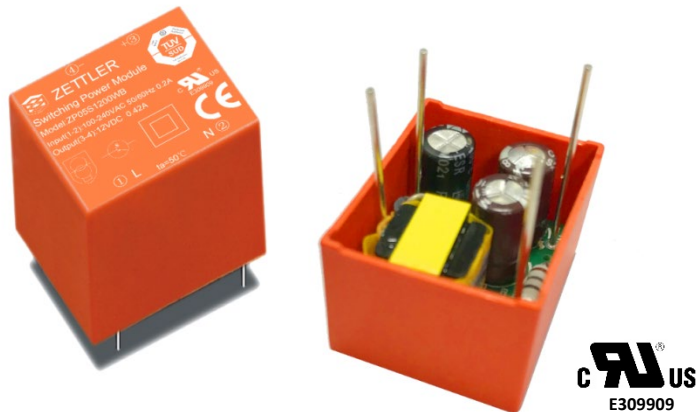




ORDERING CODE

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 ($\geq 165\text{VAC}$)

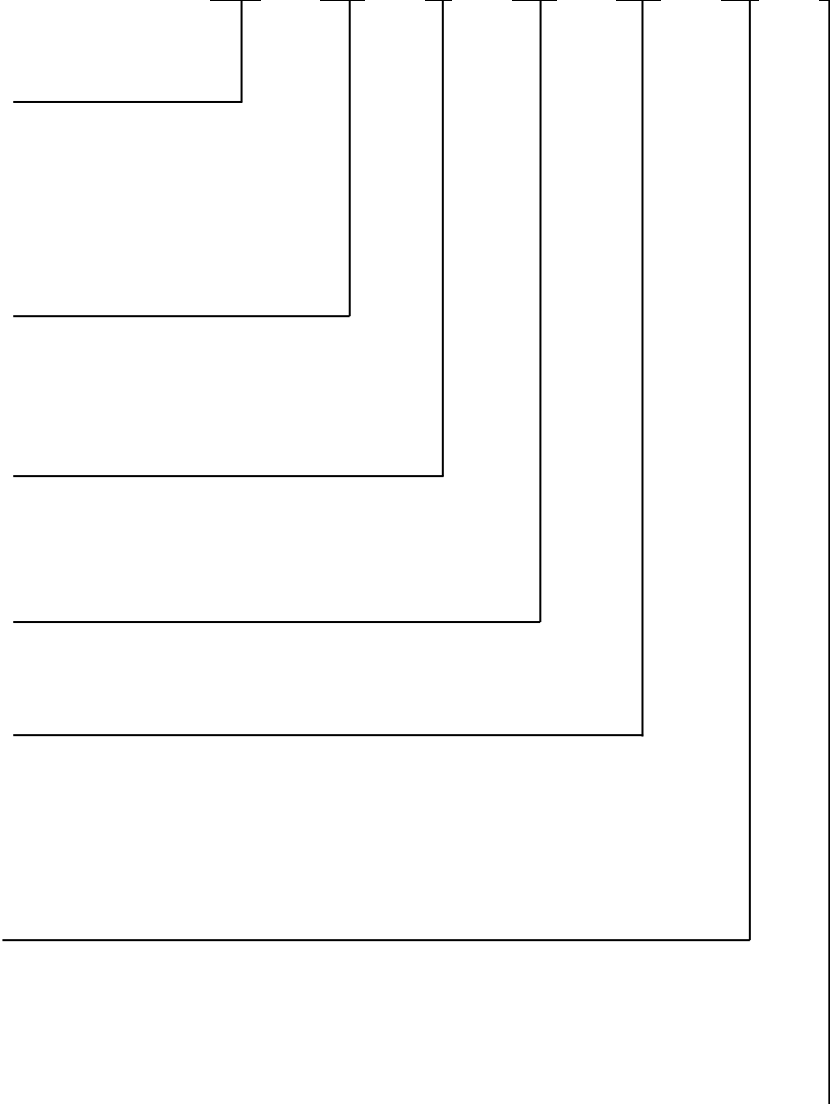
L=Low Voltage Input ($< 165\text{VAC}$)

Case Dimension

A: A Type case

B: B Type case...

ZP 05 S 12 00 W B



FEATURES

- PCB mounted switching Power module
- AC input voltage range: 90VAC~264VAC
- DC input voltage range: 100VDC~370VDC
- Ambient temperature range: -25℃~50℃
- Storage temperature range: -40℃~105℃
- 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℃)
- 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.

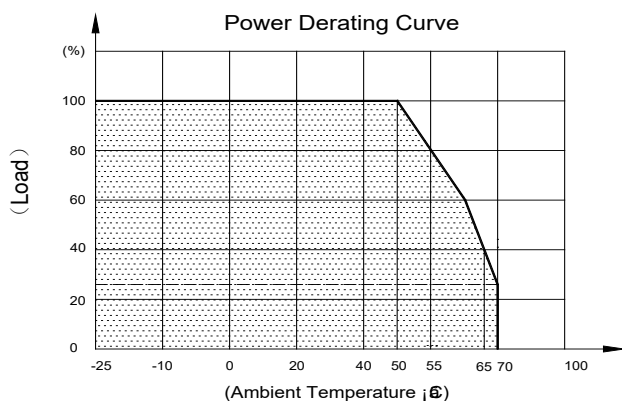
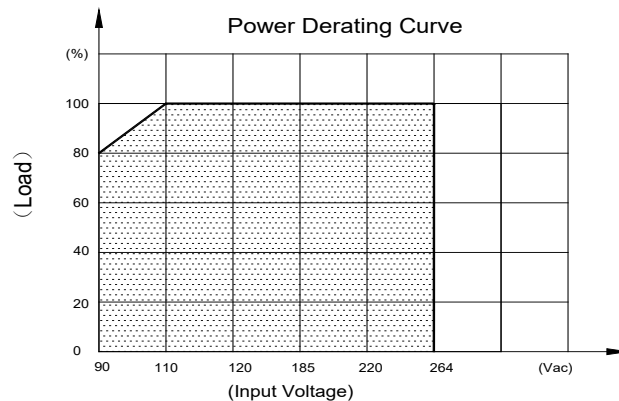
MODEL LIST

Model No.	Output Power	DC Voltage	Rated Current	Efficiency 230VAC, % Typ.	Ripple&Noise (max)	Ambient TEMP(℃)	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	●	●	●	●

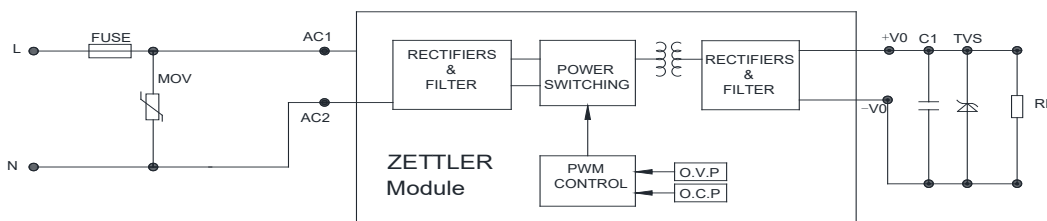
ELECTRICAL SPECIFICATION

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%: ±7% / 10%-100% : ±5%	
	Line Regulation	±2%	
	Load Regulation	±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	≥120%Io 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	±0.05%/°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

