

**ORDERING CODE**

Example:

ZP = Zettler standard series

AP = Customized series

HP = High Performance series

DP = DC-DC

Total Output Power (W)

Example:

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 (  $\geq 165VAC$  )

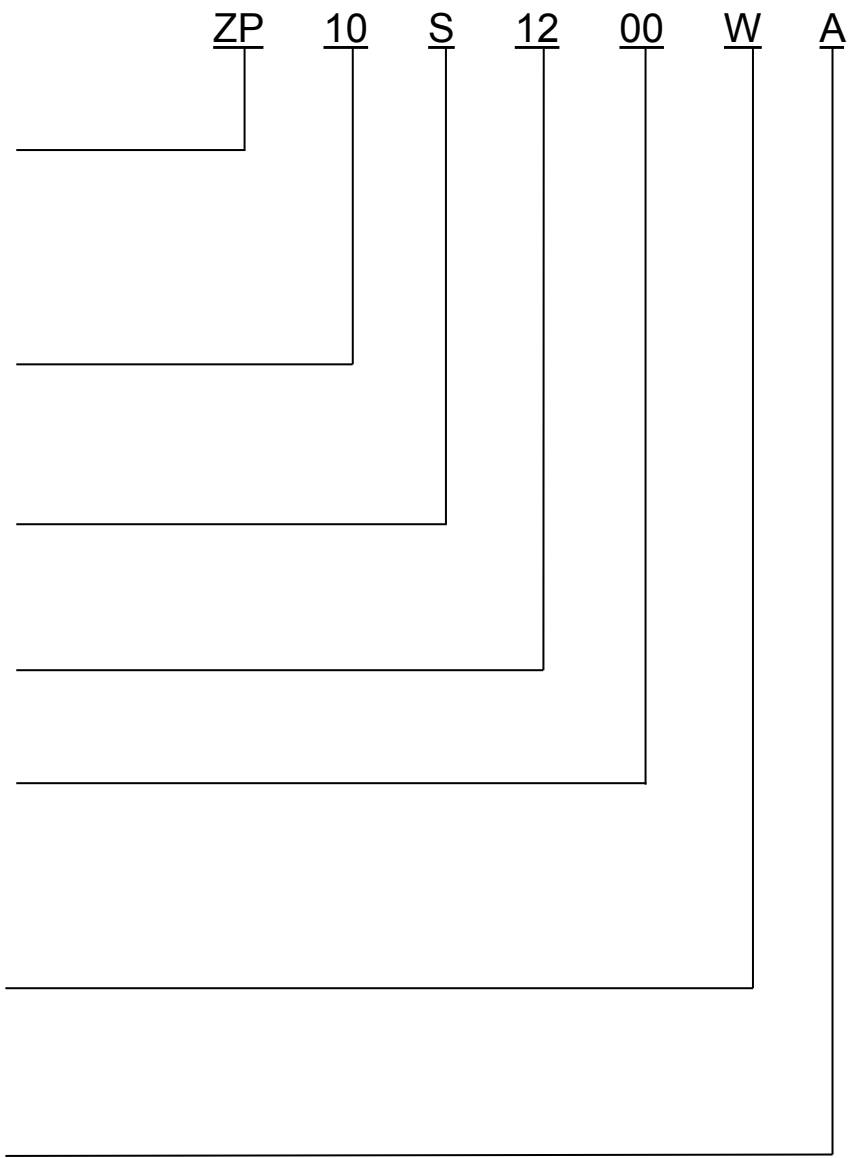
L=Low Voltage Input (  $< 165VAC$  )

Additional Case Type

Example

A: A Type case

B: B Type case...



**FEATURES**

- PCB mounted switching Power module
- AC input voltage range: 85VAC~265VAC
- DC input voltage range: 100VDC~370VDC
- Ambient temperature range: -25°C~50°C
- Storage temperature range: -25°C~85°C
- Leakage current (Input :305VAC): <0.1mA
- Isolation voltage: Input – Output  $\geq$ 3000VAC 60S
- Insulation Resistance: Input – Output 500VDC  $\geq$ 100M Ohms
- MTBF(at 25°C 70%RH environment): >300000hrs
- 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
- Insulation: class II

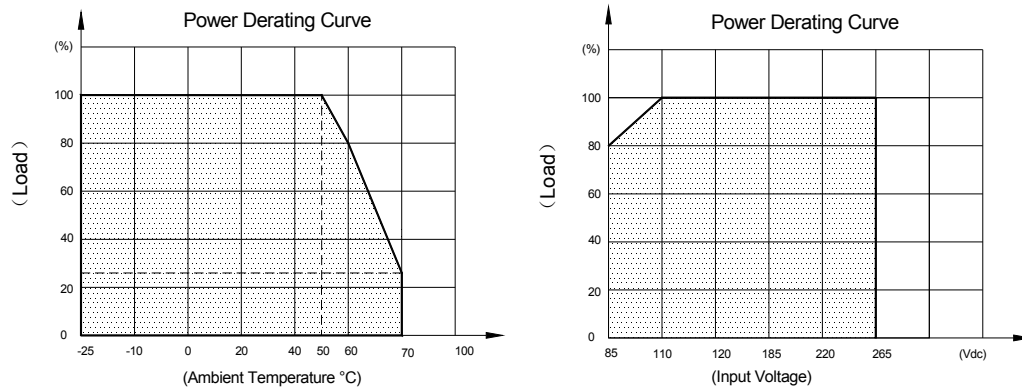
**MODEL LIST**

Part No.	Output Power	DC Voltage	Rated Current	Efficiency 230VAC, % Typ.	Ripple&Noise (max)	Ambient TEMP(°C)	Weight
ZP10S0500WA	10W	5 Vdc	2000mA	70%	<2% Vout	50	50g
ZP10S0600WA	10W	6 Vdc	1670mA	70%	<2% Vout	50	50g
ZP10S0700WA	10W	7.5Vdc	1330mA	70%	<2% Vout	50	50g
ZP10S0900WA	10W	9 Vdc	1111mA	70%	<2% Vout	50	50g
ZP10S1000WA	10W	10Vdc	1000mA	70%	<2% Vout	50	50g
ZP10S1200WA	10W	12Vdc	833mA	70%	<2% Vout	50	50g
ZP10S1500WA	10W	15Vdc	666mA	70%	<2% Vout	50	50g
ZP10S1800WA	10W	18Vdc	555mA	70%	<2% Vout	50	50g
ZP10S2400WA	10W	24Vdc	416mA	70%	<2% Vout	50	50g
ZP10S4800WA	10W	48Vdc	208mA	70%	<2% Vout	50	50g

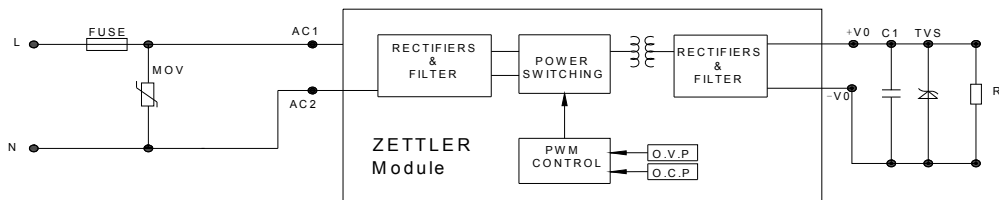
**ELECTRICAL SPECIFICATION**

Model No.		ZP10SXX00WA		
Input	Rate Voltage	100-240VAC		
	Input Voltage Range	85-265VAC or 100~370VDC		
	Frequency (Hz)	47-63 Hz		
	Current (Full load)	115VAC	230VAC	
		200mA	120mA	
	Inrush Current (<500us)	30A	60A	
	No Load Loss	0.3W @230V		
HOT PLUG	Unavailable			
Output	Voltage (V)	Refer to "Model List"		
	Current (mA) max.	Refer to "Model List"		
	Voltage Accuracy	± 7%		
	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	3S		
	Hold up Time	76.9ms/230Vac , 13.6ms/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	-25°C...+85°C		
	Storage Humidity	5-95% RH		
	Temperature Coefficient	±0.05%/°C (0~85°C)		
Physical	Case Material	Plastic (UL 94V-0 rated)		
	Weight	50g (ref.)		
Safety & EMC	Dielectric Strength	3600V/50HZ 5mA 1min (OR 4200VDC/2S) (I/P-O/P)		
	Safety Standards	Compliance With EN60950-1, UL60950-1, UL 62368-1		
	EMI	Compliance With EN55032, CLASS B	Need to add external EMC component (See the Schematic)	
	EMS (Noise Immunity)	EN61000-3-2 Class A Heavy industry level (surge L-N:1KV)		
Reliability Requirement	MTBF	300Khrs Min @230VAC . MIL-HDBK-217F (25°C)		
	Burn-In Test/	The unit shall be burned in for 2~5 Hours under 264Vac input and DC with full load at 25°C		

### 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

