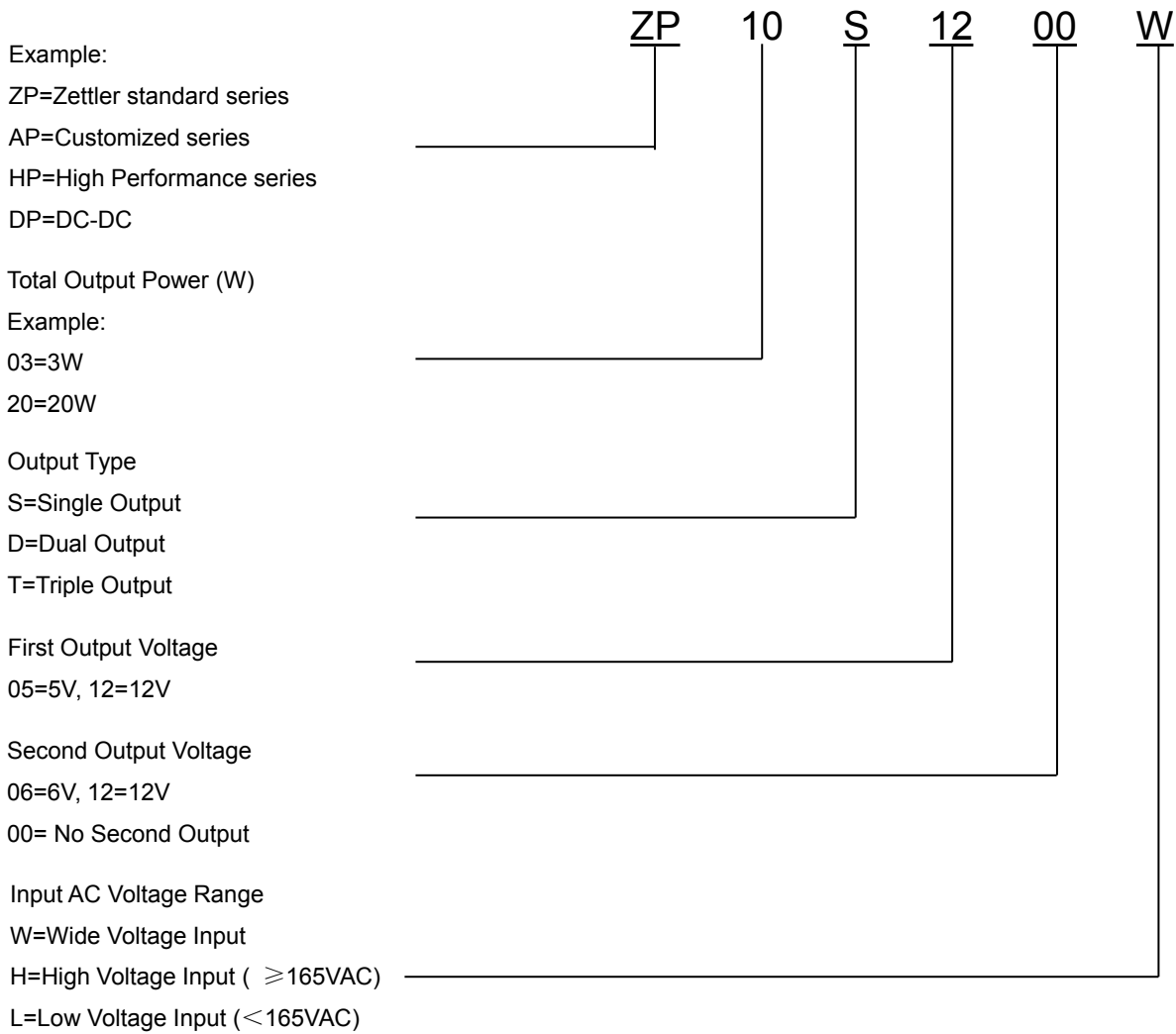




### ORDERING CODE (命名规则)



### FEATURES (产品特点)

- PCB mounted switching Power module
- AC input voltage range: 85VAC~265VAC
- DC input voltage range: 100VDC~370VDC
- Ambient temperature range:-25°C~70°C
- Storage temperature range:-25°C~85°C
- Leakage current (Input :305VAC):<0.1mA
- Isolation voltage: Input –Output≥3000VAC 60S
- Insulation Resistance: Input –Output 500VDC≥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

### APPLICATIONS (应用)

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

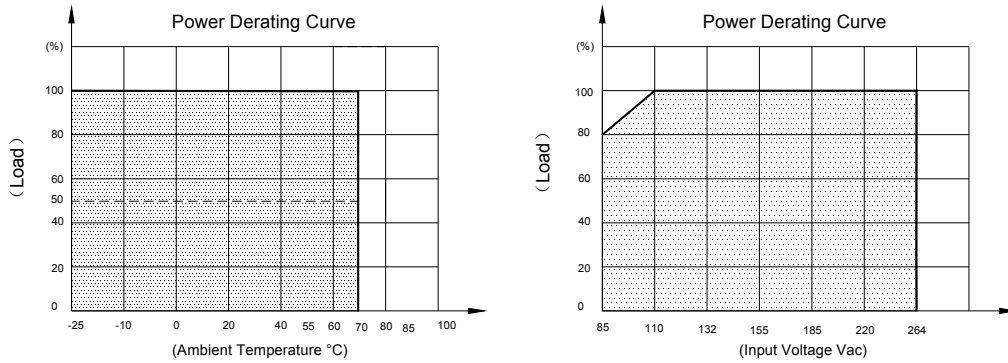
### MODEL LIST (型号列表)

Part No.	Output Power	DC Voltage	Rated Current	Efficiency 230VAC, % Typ.	Ripple&Noise (max)	Ambient TEMP(°C)	Weight	Certificate	
								TUV	CB
ZP10S0300W	10W	3.3Vdc	3000mA	72%	<1% Vout	70	70g	●	●
ZP10S0500W	10W	5 Vdc	2000mA	72%	<1% Vout	70	70g	●	●
ZP10S0600W	10W	6 Vdc	1670mA	72%	<1% Vout	70	70g	●	●
ZP10S0700W	10W	7.5Vdc	1330mA	72%	<1% Vout	70	70g	●	●
ZP10S0800W	10W	8 Vdc	1250mA	72%	<1% Vout	70	70g	●	●
ZP10S0900W	10W	9 Vdc	1110mA	72%	<1% Vout	70	70g	●	●
ZP10S1000W	10W	10Vdc	1000mA	72%	<1% Vout	70	70g	●	●
ZP10S1200W	10W	12Vdc	830mA	72%	<1% Vout	70	70g	●	●
ZP10S1500W	10W	15Vdc	660mA	72%	<1% Vout	70	70g	●	●
ZP10S1800W	10W	18Vdc	550mA	72%	<1% Vout	70	70g	●	●
ZP10S2400W	10W	24Vdc	420mA	72%	<1% Vout	70	70g	●	●

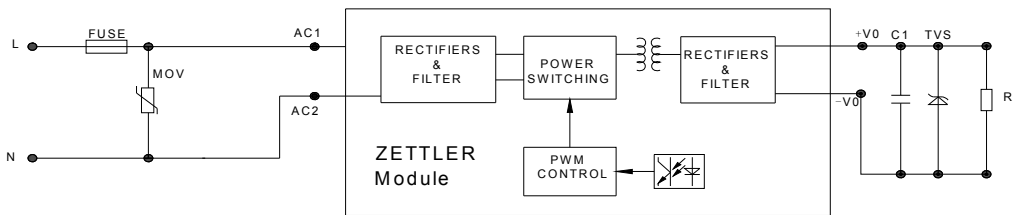
### ELECTRICAL SPECIFICATION (电性能参数)

Model No. / 型号		ZP10SXX00W		
Input 输入参数	Rate Voltage / 额定电压	100-240VAC		
	Input Voltage Range / 输入电压范围	85-265VAC or 100~370VDC		
	Frequency (Hz) / 输入频率范围	47-63 Hz		
	Current (Full load) / 输入电流	115VAC	230VAC	
		200mA	120mA	
	Inrush Current (<500us) / 冲击电流	20A	40A	
	No Load Loss / 待机功耗	0.3W Max		
HOT PLUG / 热拔插	Unavailable			
Output 输出参数	Voltage (V) / 输出电压	Refer to "Model List"		
	Current (mA) max. / 输出额定电流	Refer to "Model List"		
	Voltage Accuracy / 输出电压精度	±3%		
	Line Regulation / 线性调节率	±0.5%		
	Load Regulation / 负载调节率	±0.5%		
	Minimum Load (mA) / 最小负载	0		
	Ripple & Noise / 输出纹波	Refer to "Model List"		
	Efficiency (typ.) / 工作效率	Refer to "Model List"		
	Set-up Time / 开机时间	3S		
	Hold up Time / 掉电保持时间(典型值)	62.4ms/230Vac ,10.6ms/115Vac		
Protection 保护特性	Over Current Protection / 过流保护	≥120%Io Self-recovery		
	Short Circuit Protection / 短路保护	Hiccup ,continuous ,short capable, self-recovery		
Environment 环境	Operating Temperature / 工作温度	-25°C...+70°C @Free air convention		
	Operating Humidity / 工作湿度	10-90% RH		
	Storage Temperature / 存储温度	-25°C...+85°C		
	Storage Humidity / 存储湿度	5-95% RH		
	Temperature Coefficient/温度漂移系数	±0.05%/°C (0~85°C)		
Physical 外观结构	Case Material / 外壳材质	Plastic (UL 94V-0 rated)		
	Weight / 产品净重	70g (ref.)		
Safety & EMC 安全认证及 电磁兼容	Dielectric Strength / 绝缘强度	3000V/50HZ 5mA 1min (OR 4200VDC/2S) (I/P-O/P)		
	Safety Standards / 安全标准	Compliance With EN60950-1, UL60950-1, UL 62368-1		
	EMI / 电磁兼容	Compliance With EN55032, CLASS B	Need to add external EMC component (See the Schematic)	
	EMS (Noise Immunity)/ 电磁抗干扰	EN61000-3-2 Class A Heavy industry level (surge L-N:1KV)		
Reliability Requirement 可靠性要求	MTBF/平均故障间隔时间	300Khrs Min @230VAC . MIL-HDBK-217F (25°C)		
	Burn-In Test/ 老化测试	The unit shall be burned in for 2~5 hours under 264Vac input and DC with full load at normal temperature		

## PRODUCT CHARACTERISTIC CURVE (产品特性曲线)



## TYPICAL APPLICATION SCHEMATIC (典型应用电路)



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 (尺寸图)

