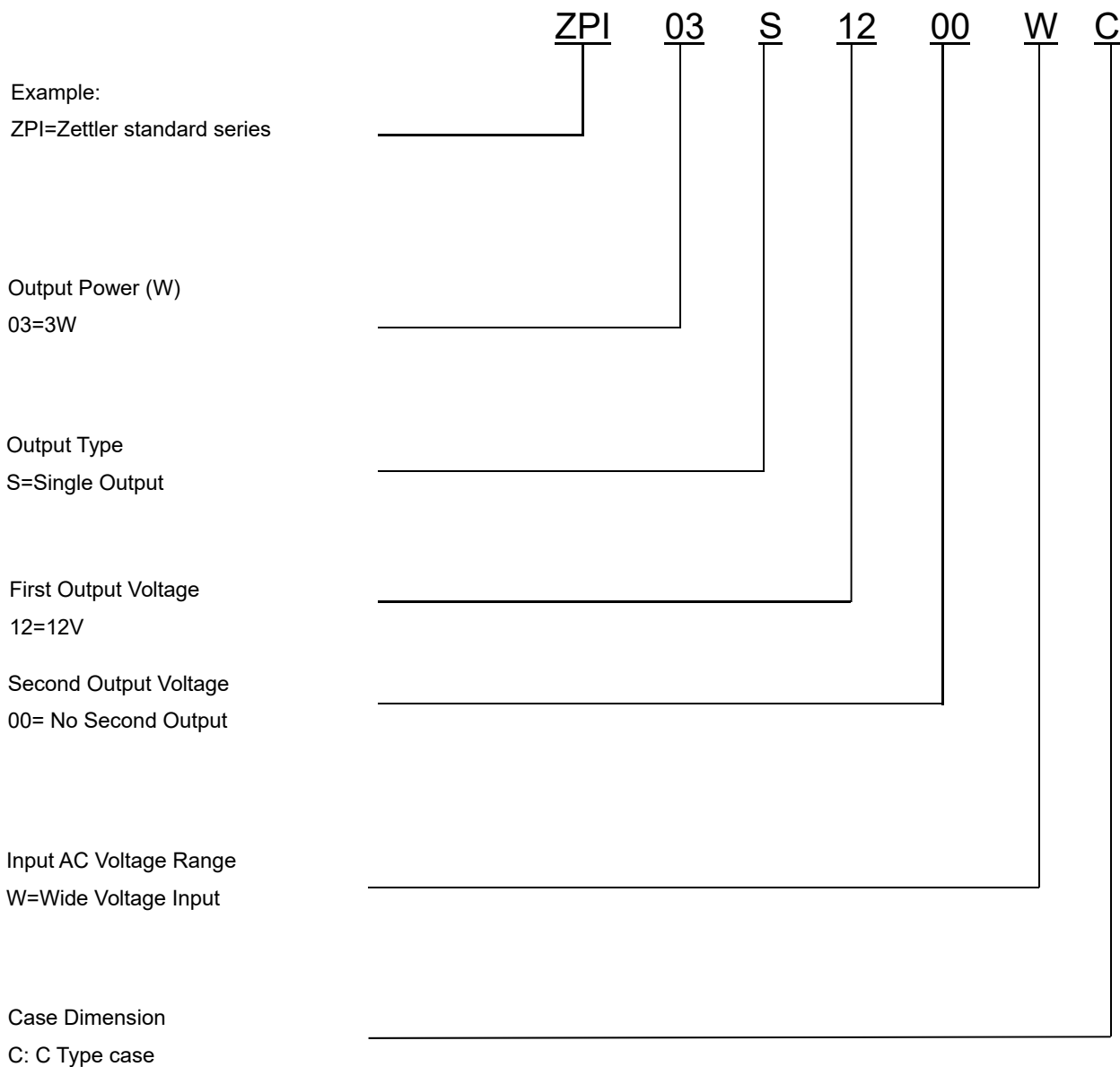



RoHS

ORDERING CODE (命名规则)



FEATURES (产品特点)

- PCB mounted switching power module
- AC input voltage range: 90VAC-264VAC
- DC input voltage range: 100VDC-370VDC
- Operating temperature range: -25°C ~ (Refer to the MODEL LIST)
- Storage temperature range: -25°C ~85°C
- Leakage current (Input :264VAC): <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 (应用)

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

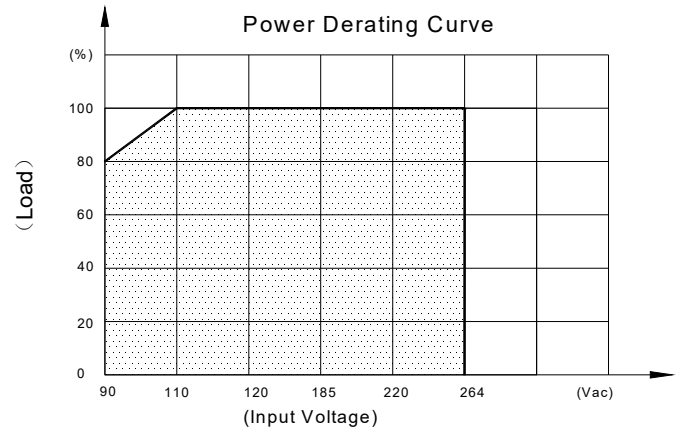
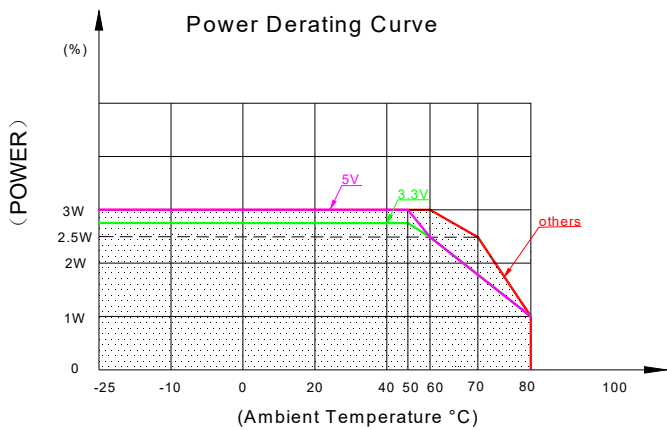
MODEL LIST (型号列表)

Model No.	Output Power (W)	DC Voltage (V)	Rated Current (mA)	Efficiency 230VAC (Typ.)	Max. Ripple & Noise (mV)	Ambient TEMP. (°C)	Weight (g)	Certificate		
								UL	TUV	CB
ZPI03S0300WC	2.75	3.3	830	65%	<200	50	17	●	●	●
	2.5		750			60				
	1		300			80				
ZPI03S0500WC	3	5	600	65%	<200	50	17	●	●	●
	2.5		500			60				
	1.0		200			80				
ZPI03S0600WC	3	6	500	65%	<200	60	17	●	●	●
	2.5		410			70				
	1.0		160			80				
ZPI03S0900WC	3	9	330	65%	<200	60	17	●	●	●
	2.5		280			70				
	1.0		110			80				
ZPI03S1200WC	3	12	250	65%	<250	60	17	●	●	●
	2.5		210			70				
	1.0		84			80				
ZPI03S1500WC	3	15	200	65%	<300	60	17	●	●	●
	2.5		170			70				
	1.0		67			80				
ZPI03S1800WC	3	18	170	65%	<300	60	17	●	●	●
	2.5		140			70				
	1.0		56			80				
ZPI03S2400WC	3	24	125	65%	<360	60	17	●	●	●
	2.5		105			70				
	1.0		42			80				

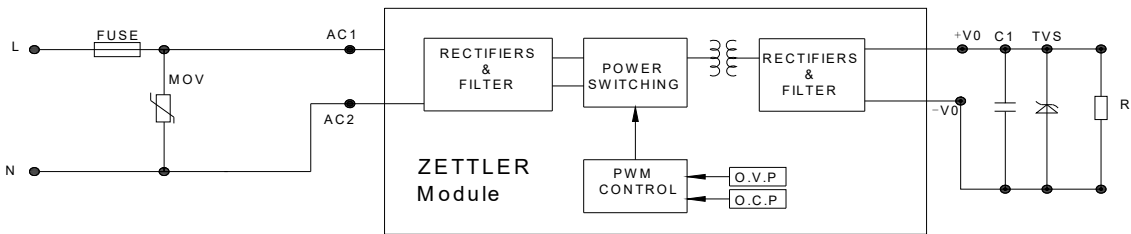
ELECTRICAL SPECIFICATION (电性能参数)

Model No. / 型号		ZPI03SXX00WC		
Input 输入参数	Rated Voltage / 额定电压	100-240VAC		
	Voltage Range / 输入电压范围	90-264VAC or 120-370VDC		
	Frequency (Hz) / 输入频率范围	47-63 Hz		
	Current (Full load) / 输入电流	115VAC	230VAC	
		100mA	65mA	
	Inrush Current (<500us) / 冲击电流	10A	20A	
	No Load Loss / 待机功耗	0.2W Max@230VAC		
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	±5% (±6% for 3.3VDC output only)		
	Line Regulation / 线性调节率	±3% (±5% for 3.3VDC output only)		
	Load Regulation / 负载调节率	±5% (±6% for 3.3VDC output only)		
	Minimum Load (mA) / 最小负载	0		
	Ripple & Noise (mV) / 输出纹波	Refer to "Model List"		
	Efficiency (typ.) / 工作效率	Refer to "Model List"		
	Start-up Time / 开机延迟时间	3S		
Hold up Time / 掉电保持时间(典型值)	5mS min			
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...(Refer to the MODEL LIST)		
	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 (0~50°C)		
Physical 外观结构	Case Material / 外壳材质	Plastic (UL 94V-0 rated)		
	Weight / 产品净重	17g (ref.)		
Safety & EMC 安全认证及 电磁兼容	Dielectric Strength / 绝缘强度	I/P-O/P : 3600VAC		
	Protection against electric shock	Class II construction <input type="checkbox"/>		
	Safety Standards / 安全标准	Compliance With UL/EN62368-1 ,EN61558-2-16 Plastic materials in accordance with EN60335-1 clause 30		
	EMI / 电磁兼容	Compliance With EN55032 CLASS B, EN61000-3-2, EN61000-3-3	Need to add external EMC component (Refer to the Schematic)	
EMS (Noise Immunity)/ 电磁抗干扰	Compliance With EN55035			
Reliability Requirement 可靠性要求	MTBF/平均故障间隔时间	300Khrs Min MIL-HDBK-217F (25°C)		
	Burn-In Test/ 老化测试	The unit shall be burned in for 2~4 hours under 264Vac input and with full load at normal temperature		

PRODUCT CHARACTERISTIC CURVE (产品特性曲线)



TYPICAL APPLICATION SCHEMATIC (典型应用电路)



MOV	FUSE
14D561K	0.5A/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)

