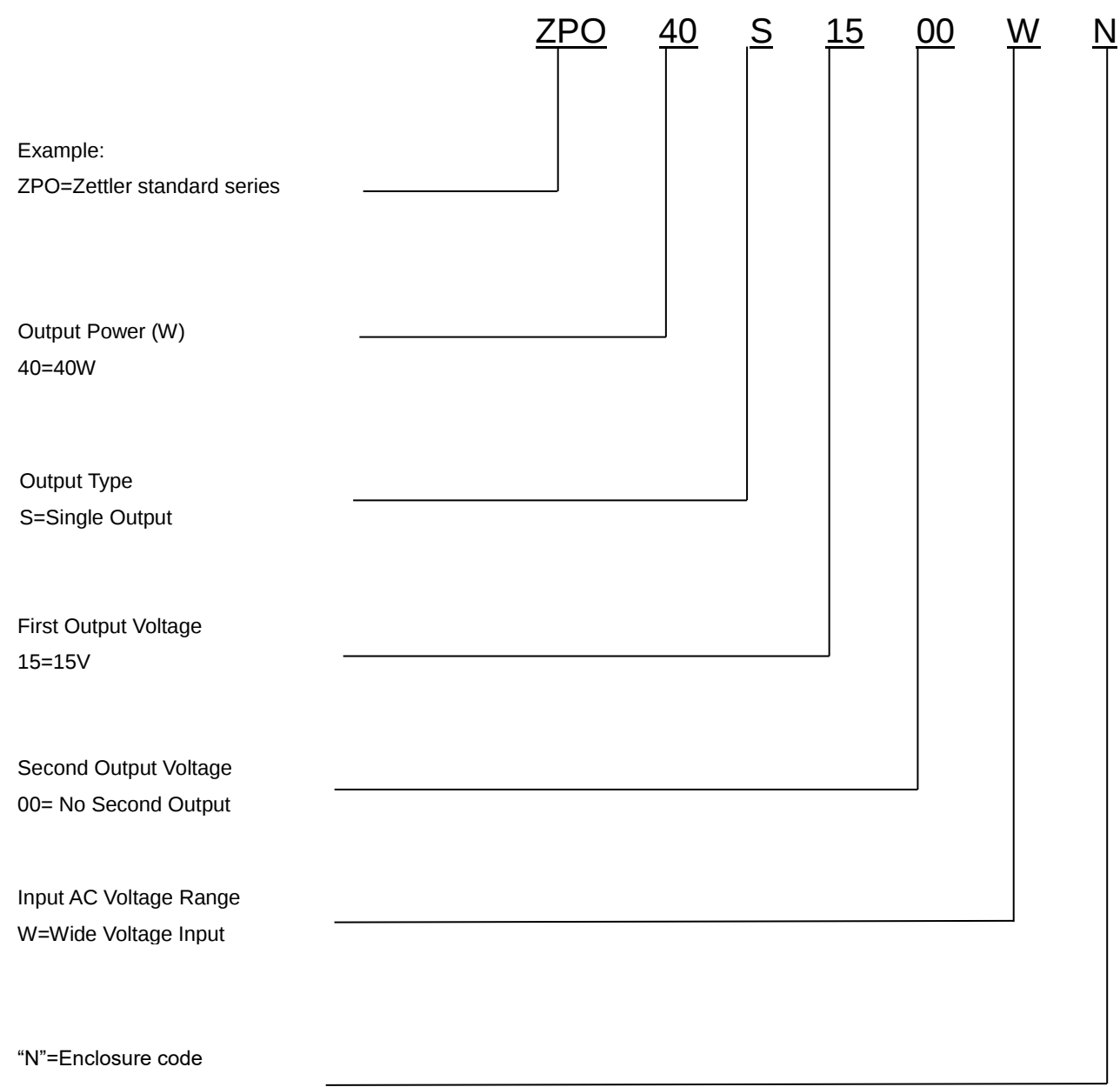




ORDERING CODE (命名规则)



FEATURES (产品特点)

- PCB mounted switching Power module
- AC input voltage range: 85VAC - 305VAC
- DC input voltage range: 100VDC - 430VDC
- Ambient temperature range: -40°C~85°C
- Storage temperature range: -40°C~85°C
- Leakage current (input :305VAC): <0.3mA
- Isolation voltage: Input - Output 4200VAC 60s
- Insulation Resistance: Input - Output 500VDC $\geq$ 100M Ohms
- MTBF: 500Khrs Min MIL-HDBK-217F (25°C)
- Compact size, easy installation
- High efficiency low standby power consumption, green environmental protection function
- 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
- OVC III (2000m) according to EN IEC 61558

APPLICATIONS (应用)

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

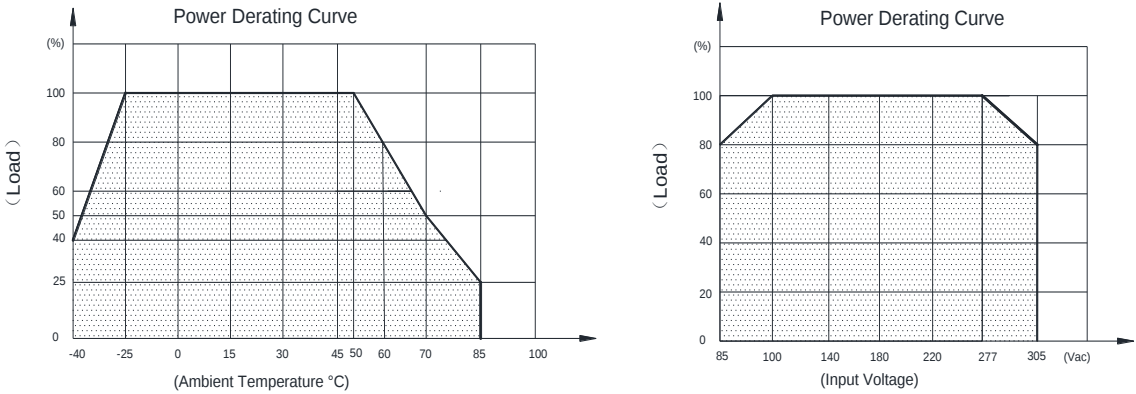
MODEL LIST (型号列表)

Model No.	Output Power	DC Voltage	Rated Current	Efficiency 230VAC, % Typ.	Capacitive Load(max)	Ripple & Noise (max)	Ambient TEMP(°C)	Weight	Certificate		
									UL	TUV	CB
ZPO40S1200WN	40W	12Vdc	3330mA	89%	4400uF	<150mV	50	110g	●	●	●
ZPO40S1500WN	40W	15Vdc	2666mA	89%	3000uF	<150mV	50	110g		●	
ZPO40S1800WN	40W	18Vdc	2222mA	89%	3000uF	<150mV	50	110g		●	
ZPO40S2400WN	40W	24Vdc	1670mA	89%	1500uF	<150mV	50	110g		●	
ZPO40S4800WN	40W	48Vdc	833mA	88%	470uF	<150mV	50	110g		●	

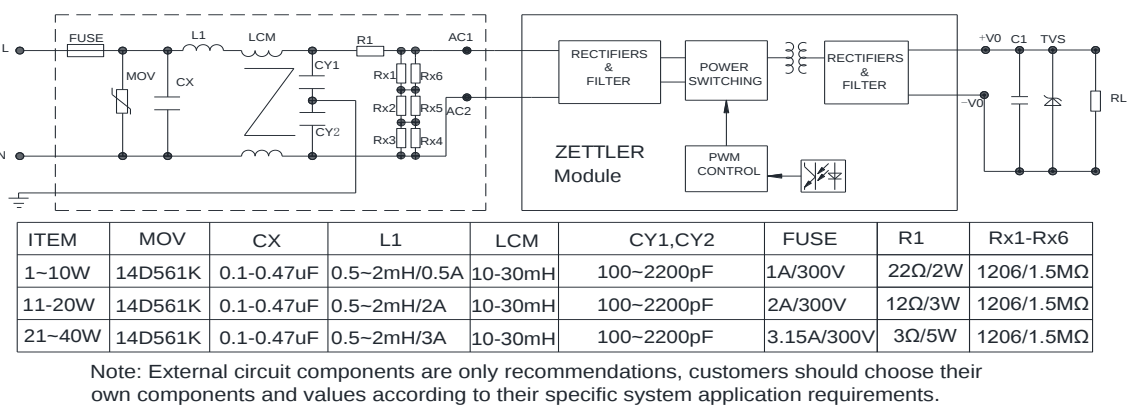
ELECTRICAL SPECIFICATION (电性能参数)

Input 输入参数	Rated Voltage / 额定电压	100 - 277VAC	
	Voltage Range / 输入电压范围	85 - 305VAC or 100 - 430VDC	
	Frequency (Hz) / 输入频率范围	47 - 63 Hz	
	Current (Full load) / 输入电流	115VAC	230VAC
		1000mA	600mA
	Inrush Current (<500us) / 冲击电流	40A	80A
	No Load Loss / 待机功耗	0.3W Typ. @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	±2% (Typ.)	
	Line Regulation / 线性调节率	±0.5%	
	Load Regulation / 负载调节率	±1%	
	Minimum Load (mA) / 最小负载	0	
	Ripple & Noise / 输出纹波	<150mV	
	Efficiency (typ.) / 工作效率	Refer to “Model List”	
	Start-up Time / 开机延迟时间	Max 3s	
	Hold up Time / 掉电保持时间(典型值)	50ms min/230VAC , 5ms min/115VAC	
	Protection 保护特性	Over Current Protection / 过流保护	Hiccup mode
Short Circuit Protection / 短路保护		Hiccup mode	
Environment 环境	Operating Temperature / 工作温度	-40°C...+85°C (refer to the Power Derating Curve)	
	Operating Humidity / 工作湿度	20~90% RH (No Condensing) at full load	
	Storage Temperature / 存储温度	-40°C~85°C	
	Storage Humidity / 存储湿度	10~95% RH	
	Temperature Coefficient/温度漂移系数	±0.05%/°C (0~50°C)	
	Operating Altitude/工作海拔	EN IEC 61558	2000m (OVC III)
		EN IEC 62368	5000m (OVC II)
Physical 外观结构	Case Material / 外壳材质	Plastic (UL 94V-0 rated)	
	Weight / 产品净重	110g (ref.)	
Safety & EMC 安全认证及 电磁兼容	Dielectric Strength / 绝缘强度	I/P - O/P : 4200VAC	
	Protection against electric shock	Class II construction 	
	Safety Standards / 安全标准	Compliance with UL/EN62368-1.EN61558-2-16	
	EMI / 电磁兼容	Compliance with EN55032 CLASS B, EN61000-3-2, EN61000-3-3	Need to add external EMC component
	EMS (Noise Immunity)/ 电磁抗干扰	Compliance With EN55035	
	Over Voltage Category/过电压类别	EN IEC 61558	OVC III
		EN IEC 62368	OVC II
Reliability Requirement 可靠性要求	MTBF/平均故障间隔时间	500Khrs Min MIL-HDBK-217F (25°C)	
	Burn-In Test/ 老化测试	The unit shall be burned in for 2~4 Hours under 277Vac input and with full load at 25°C	

PRODUCT CHARACTERISTIC CURVE (产品特性曲线)



TYPICAL APPLICATION SCHEMATIC (典型应用电路)



MECHANICAL SPECIFICATION (尺寸图)

