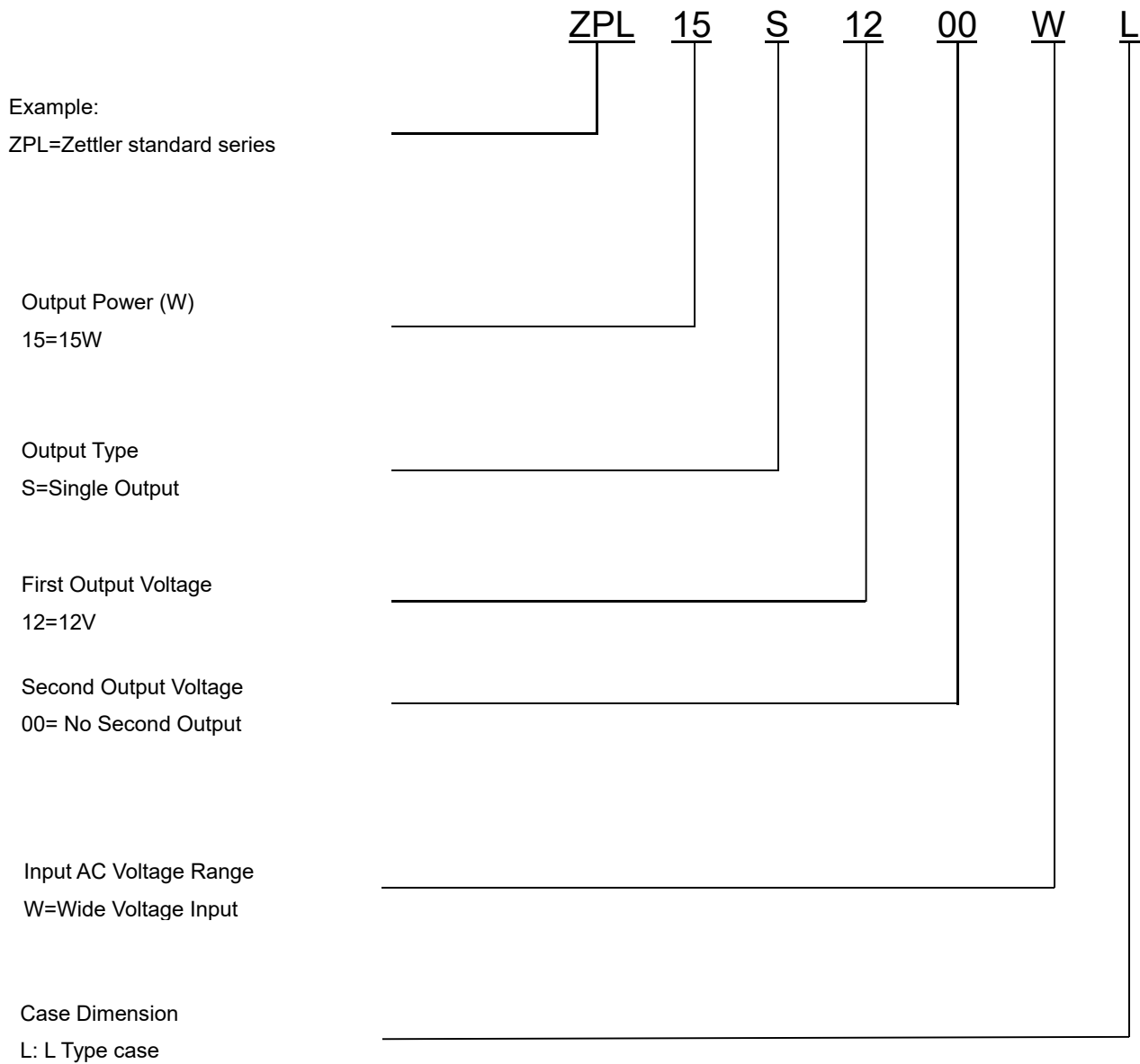





RoHS

### ORDERING CODE



**FEATURES**

- PCB mounted switching Power module
- AC input voltage range: 90VAC-264VAC
- DC input voltage range: 100VDC-370VDC
- Ambient temperature range: -25°C~50°C
- Storage temperature range: -25°C~85°C
- Leakage current (input :264VAC): <0.3mA
- Isolation voltage: input –Output  $\geq$ 3600VAC 60S
- Insulation Resistance: Input –Output 500VDC  $\geq$ 100M Ohms
- MTBF: 300Khrs 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 

**APPLICATIONS**

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

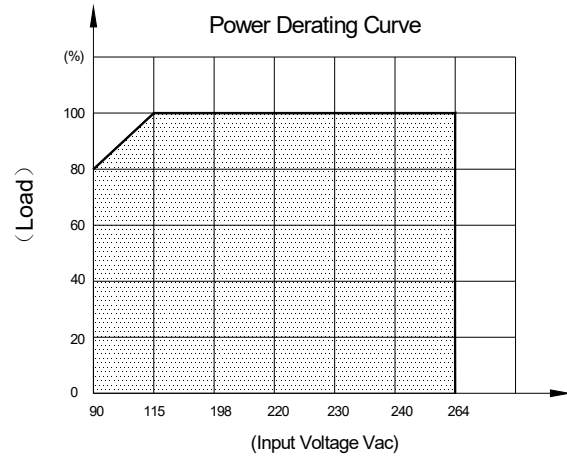
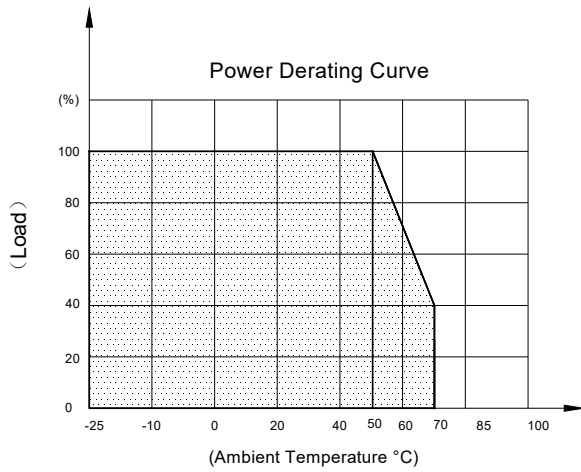
**MODEL LIST**

Model No.	Output Power	DC Voltage	Rated Current	Efficiency 230VAC, % Typ.	Ripple&Noise (max)	Ambient TEMP(°C)	Weight	Certificate		
								UL	TUV	CB
ZPL15S0500WL	15W	5Vdc	3000mA	78%	<200mV	50	65g	●	●	●
ZPL15S1200WL	15W	12Vdc	1250mA	82%	<200mV	50	65g	●	●	●
ZPL15S1500WL	15W	15Vdc	1000mA	82%	<200mV	50	65g	●	●	●
ZPL15S1800WL	15W	18Vdc	830mA	83%	<200mV	50	65g	●	●	●
ZPL15S2400WL	15W	24Vdc	620mA	83%	<200mV	50	65g	●	●	●

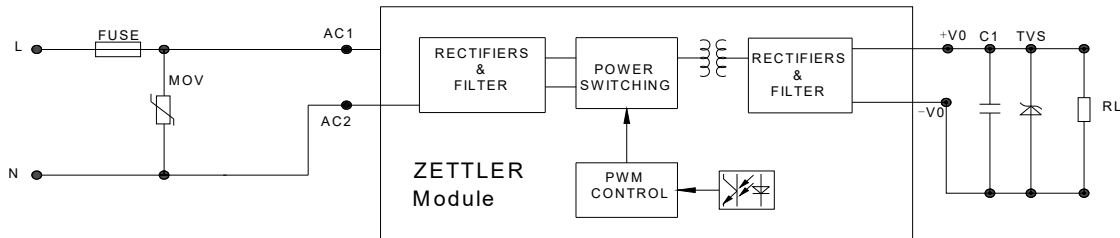
### ELECTRICAL SPECIFICATION

Model No.		ZPL15SXX00WL		
Input	Rated Voltage	100-240VAC		
	Voltage Range	90-264VAC or 100-370VDC		
	Frequency (Hz)	47-63 Hz		
	Current (Full load)	115VAC	230VAC	
		300mA	200mA	
	Inrush Current (<500us)	20A	40A	
	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	±3%		
	Line Regulation	±0.5%		
	Load Regulation	±1%		
	Minimum Load (mA)	0		
	Ripple & Noise	Refer to "Model List"		
	Efficiency (typ.)	Refer to "Model List"		
	Start-up Time	3s		
	Hold up Time	76.9ms/230VAC ,13.6ms/115VAC		
Protection	Over Current Protection	Hiccup mode		
	Short Circuit Protection	Hiccup mode		
Environment	Operating Temperature	-25°C...+70°C @Free air convection (Refer to the derating curve)		
	Operating Humidity	20~90% RH ( No Condensing) at full load		
	Storage Temperature	-25°C~85°C		
	Storage Humidity	10~95% RH		
	Temperature Coefficient	±0.05%/°C (0~50°C)		
Physical	Case Material	Plastic (UL 94V-0 rated)		
	Weight	65g (ref.)		
Safety & EMC	Dielectric Strength	I/P-O/P : 3600VAC		
	Protection against electric shock	Class II construction <input type="checkbox"/>		
	Safety Standards	Compliance With EN62368-1, EN61558-2-16, Plastic materials in accordance with EN60335-1 clause 30		
	EMI	Compliance With EN55032 CLASS B, EN61000-3-2, EN61000-3-3		
	EMS (Noise Immunity)	Compliance With EN55035	Need to add external EMC component (Refer to the Schematic)	
Reliability Requirement	MTBF	300Khrs Min MIL-HDBK-217F (25°C)		
	Burn-In Test	The unit shall be burned in for 2~4 Hours under 240Vac input and 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

### Outline Dimensions

Dimensions (mm): 52.4±0.5 [2.063], 27.2±0.5 [1.071], 24.0±0.5 [0.945], 3.5±0.5, 3.7 [0.146], 3.2 [0.126], 20.8±0.5 [0.819], 45.0±0.5 [1.772], 8.0±0.5 [0.315].

PIN size φ1.0(ref.)

Tolerances±0.5mm

### PCB Layout

PCB hole Φ1.6 [0.063]

Dimensions (mm): 20.8 [0.819], 28.0 [1.102], 8.0 [0.315], 3.4 [0.134], 4.1 [0.161], 45.0 [1.772], 53.2 [2.094].

NO.	Pin connect	Function
1	AC/L	AC Input
2	AC/N	AC Input
3	-	Output Negative
4	+	Output Positive

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [AC/DC Power Modules](#) category:*

*Click to view products by [Zettler](#) manufacturer:*

Other Similar products are found below :

[HP01S0500WI](#) [HP01S1200WI](#) [HP01S2400WI](#) [HP03S1200WJ](#) [HP03S2400WJ](#) [ZP03S1200WE](#) [ZP05S2400WB](#) [AMEOF550-24SHAMJZ-FB](#)  
[AMEOF550-48SHAMJZ-FB](#) [AMEOFL10-3S480PEVZ-B](#) [AMEOFL10-9S480PEVZ-B](#) [AMEOFL5-3S480HANZ-B](#) [AMEOFL5-9S480HANZ-B](#) [HP02S1200WI](#) [AME30-9S480JZ-B](#) [AME30-3S480JZ-B](#) [ZP05S1800WB](#) [ZP10S2400W](#) [ZP03S0500WE](#) [AMEOF450-48SHAMJZ-FB](#) [AMEL15-3S277HAVZ-B](#) [AME30-48S480JZ-B](#) [AME30-15S480JZ-B](#) [CFM36SB480-T](#) [EZAC-R11-QE8](#) [LD03-23B15R2P](#)  
[LD03-23B24R2P](#) [HAW3-220S09T2](#) [HAW3-220S15T2](#) [LD20-23B24R2](#) [HAW3-220S24T2](#) [LD03-23B06R2P](#) [LHB06-S12](#) [HAW3-220S12T2](#)  
[IRM-15-05](#) [HAW3-220S05T2](#) [LHC03-S05K](#) [LHB06-S05](#) [LHC03-S12K](#) [LHB06-S24](#) [LD03-23B12R2P](#) [IRM-20-05](#) [IRM-15-24](#) [IRM-20-24](#)  
[HAW3-220S03T2](#) [LD20-23B05R2](#) [17000-0450](#) [17000-0455](#) [CFM70S240-E](#) [CFM36SB050](#)