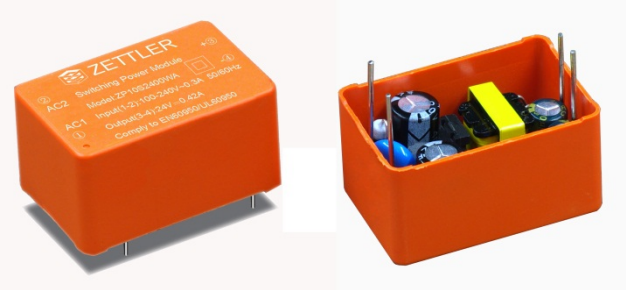


ORDERING CODE

ZP 10 S 12 00 W A

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 (≥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~370VAC
- Ambient temperature range:-25℃~85℃
- Storage temperature range:-40℃~105℃
- Leakage current (input :265VAC):＜0.1mA
- Isolation voltage: input –Output≥3000Vac 60S
- Insulation Resistance: Input –Output 500VDC≥100M Ohms
- MTBF(at 25℃ 70%RH environment):＞300000hrs
- Compact size, easy installation
- High efficiency Low standby Power consumption, environment-friendly
- Built-in output overcurrent protection, over-voltage protection, short circuit protection
- Built-in EMI filter components, comply with the EN55022 class B standard
- Insulation: class Ⅱ

APPLICATIONS

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

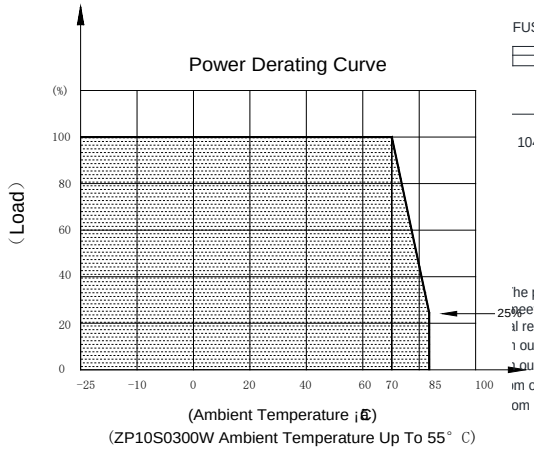
MODEL LIST

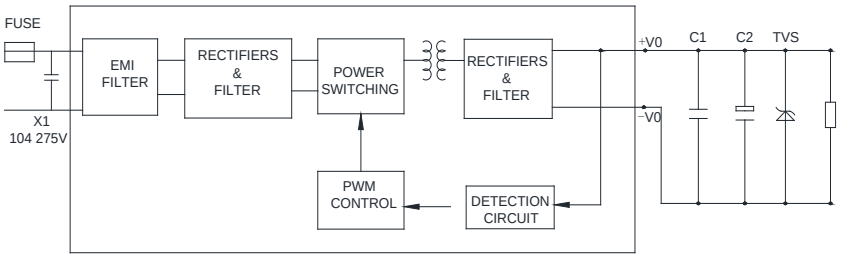
Part No.	Output Power	DC Voltage	Rated Current	Efficiency 230VAC，% Typ.	Ripple&Noise (max)	Ambient TEMP(℃)	Weight
ZP10S0300WA	10W	3.3Vdc	3000mA	72%	＜5% Vout	50	50.5g
ZP10S0500WA	10W	5 Vdc	2000mA	72%	＜5% Vout	50	50.5g
ZP10S0600WA	10W	6 Vdc	1670mA	72%	＜5% Vout	50	50.5g
ZP10S0700WA	10W	7.5Vdc	1330mA	72%	＜5% Vout	50	50.5g
ZP10S0900WA	10W	9 Vdc	1111mA	72%	＜5% Vout	50	50.5g
ZP10S1000WA	10W	10Vdc	1000mA	72%	＜5% Vout	50	50.5g
ZP10S1200WA	10W	12Vdc	833mA	72%	＜5% Vout	50	50.5g
ZP10S1500WA	10W	15Vdc	666mA	72%	＜5% Vout	50	50.5g
ZP10S1800WA	10W	18Vdc	555mA	72%	＜5% Vout	50	50.5g
ZP10S2400WA	10W	24Vdc	416mA	72%	＜5% Vout	50	50.5g
ZP10S4800WA	10W	48Vdc	208mA	72%	＜5% Vout	50	50.5g

ELECTRICAL SPECIFICATION

Item			Specification	
Input	Input Voltage Range		85~265Vac or 100~370Vdc	
	AC Input Frequency Range		47~63Hz	
	Input Current		115Vac	230Vac
			200mA	120mA
	Inrush Current		115Vac	230Vac
			30A	60A
	Stand-by Power Consumption		0.3W Max	
	Recommended External Input Fuse		2A/250V (Time lag)	
	Hot Plug		(Unavailable)	
Output	Output Voltage Accuracy		±5% (Typ)	
	Line Regulation		±1%	
	Load Regulation		±1%	
	Temperature Drift Factor		±0.05%/℃ (0-85℃)	
	Min. Load		0	
	Set-Up time At Full Load		253ms/230Vac,169ms/115Vac	
	Hold-up Time At Full Load		76.9ms/230Vac ,13.6ms/115Vac	
Protection Characteristics	Over-Circuit Protection		≥120%Io Self-recovery	
	Short Circuit Protection		Hiccup ,continuous ,short capable, self-recovery	
Ambient	Ambient Temperature		- 25℃ ~ 85℃ (Refer to derating curve)	
	Ambient Humidity		10~90% RH (No Condensing) at full load	
	Storage Temperature		- 40℃ ~ 105℃	
	Storage Humidity		5%~95%	
Safety &EMC requirement	Dielectric Strength		Input-Output ≥3000Vac 5mA 60S	
	Reference Safety Standards		UL/CUL60920 IEC/EN60950 IEC/EN60335 IEC/EN61558-2-16	
	EMI filter Need an external capacitance	CE	Meet CISPR22/EN55022, CLASS B	
		RE	Meet CISPR22/EN55022, CLASS B	
Reliability Requirement	MTBF(MIL-HDBK-217F)		300Khrs Min @230VAC input 25℃	
	Burn-In Test		The unit shall be burned in for 2~5 hours under 264Vac input and DC with full load at normal temperature	

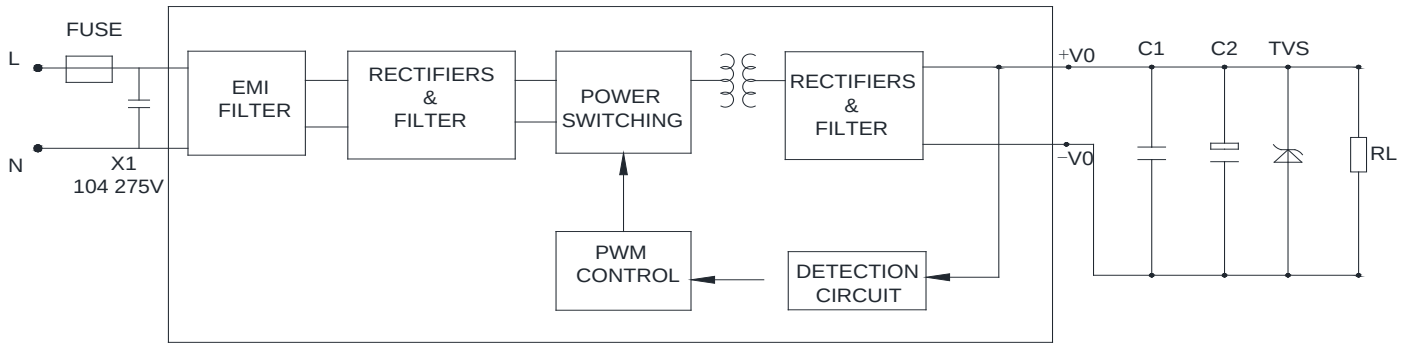
PRODUCT CHARACTERISTIC CURVE





he power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it st
eet EMC directives.
l recommendations on external components:
output filter is electrolytic capacitor, High frequency low resistance capacitance is recommended; withstand voltage derating over 80%.
output filter is ceramic capacitor, to remove high frequency noise.
m output filter is to protect the rear circuit.
om input filter is to meet safety requirement. Type: 2A/250V Slow-Blow

TYPICAL APPLICATION SCHEMATIC



Note; The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meet EMC directives.

Optional recommendations on external components:

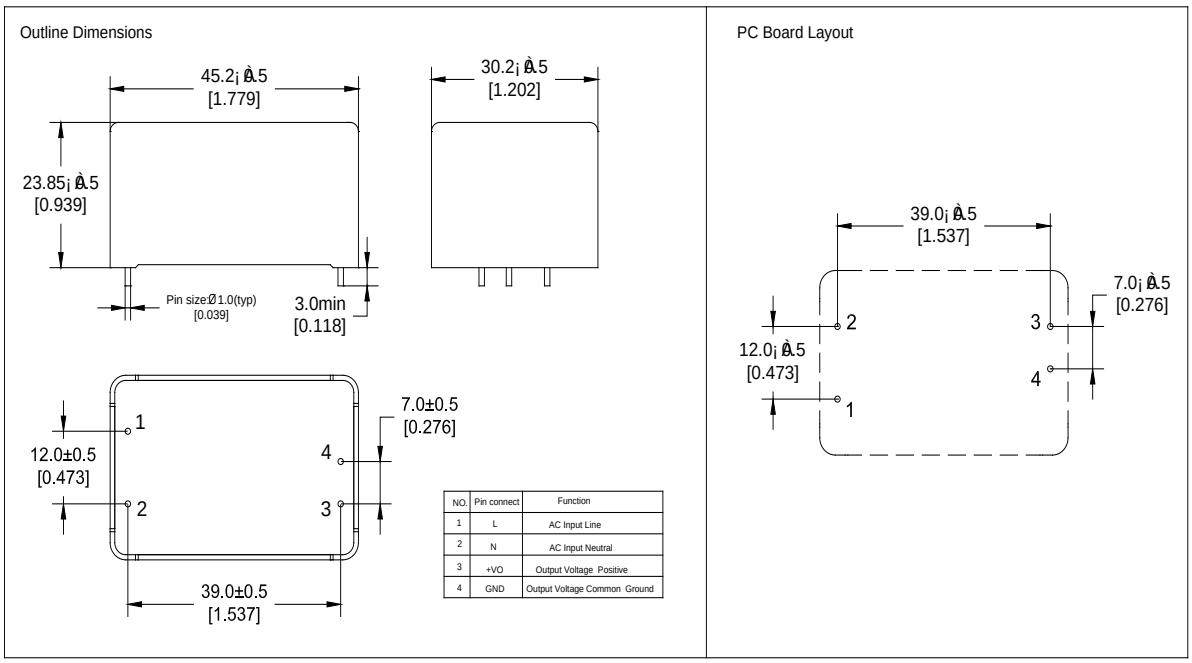
C1 from output filter is electrolytic capacitor, High frequency low resistance capacitance is recommended; withstand voltage derating over 80%.

C2 from output filter is ceramic capacitor, to remove high frequency noise.

TVS from output filter is to protect the rear circuit.

Fuse from input filter is to meet safety requirement. Type: 2A/250V Slow-Blow

MECHANICAL SPECIFICATION



NO.	Pin connect	Function
1	L	AC Input Line
2	N	AC Input Neutral
3	+VO	Output Voltage Positive
4	GND	Output Voltage Common Ground