ORDERING CODE

ZP 10 S 12 00 W

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)

FEATURES

- PCB mounted switching Power module
- AC input voltage range: 85VAC~265VAC
- DC input voltage range: 100VDC~370VDC
- Ambient temperature range: -25℃~70℃
- Storage temperature range: -25℃~85℃
- Leakage current (Input :305VAC): ＜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 over current protection, over-voltage protection, short circuit protection
- Built-in EMI filter components, comply with the EN55032 class B standard
- Insulation: class Ⅱ

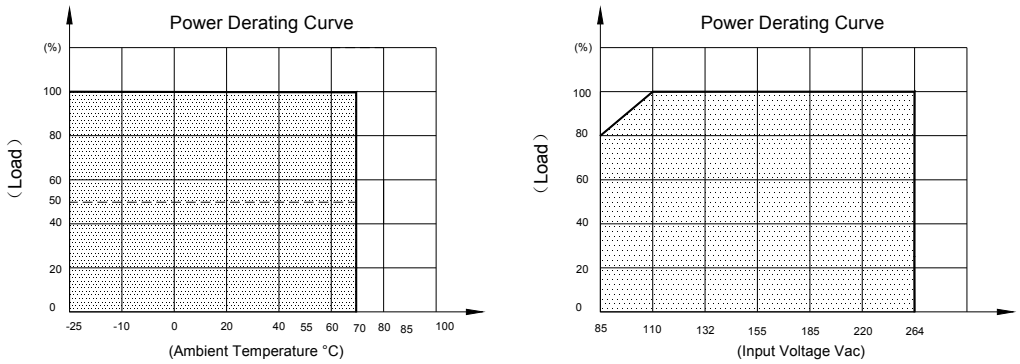
MODEL LIST

Part No.	Output Power	DC Voltage	Rated Current	Efficiency 230VAC，% Typ.	Ripple&Noise (max)	Ambient TEMP(℃)	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	●	●

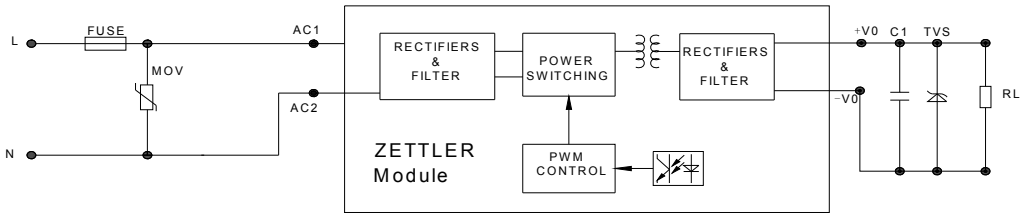
ELECTRICAL SPECIFICATION

Model No.		ZP10SXX00W	
Input	Rate Voltage	100-240VAC	
	Input Voltage Range	85-265VAC or 100~370VDC	
	Frequency (Hz)	47-63 Hz	
	Current (Full load)	115VAC	230VAC
		200mA	120mA
	Inrush Current (<500us)	20A	40A
	No Load Loss	0.3W Max	
	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	±0.5%	
	Minimum Load (mA)	0	
	Ripple & Noise	Refer to “Model List”	
	Efficiency（typ.）	Refer to “Model List”	
	Set-up Time	3S	
	Hold up Time	62.4ms/230Vac ,10.6ms/115Vac	
Protection	Over Current Protection	≥120%Io Self-recovery	
	Short Circuit Protection	Hiccup ,continuous ,short capable, self-recovery	
Environment	Operating Temperature	-25°C…+70°C @Free air convention	
	Operating Humidity	10-90% RH	
	Storage Temperature	-25°C…+85°C	
	Storage Humidity	5-95% RH	
	Temperature Coefficient	±0.05%/°C（0~85℃）	
Physical	Case Material	Plastic （UL 94V-0 rated）	
	Weight	70g（ref.）	
Safety & EMC	Dielectric Strength	3000V/50HZ 5mA 1min （OR 4200VDC/2S）（I/P-O/P）	
	Safety Standards	Compliance With EN60950-1, UL60950-1, UL 62368-1	
	EMI	Compliance With EN55032, CLASS B	Need to add external EMC component (See the Schematic)
	EMS (Noise Immunity)	EN61000-3-2 Class A Heavy industry level（surge L-N:1KV）	
Reliability Requirement	MTBF	300Khrs Min @230VAC . MIL-HDBK-217F（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



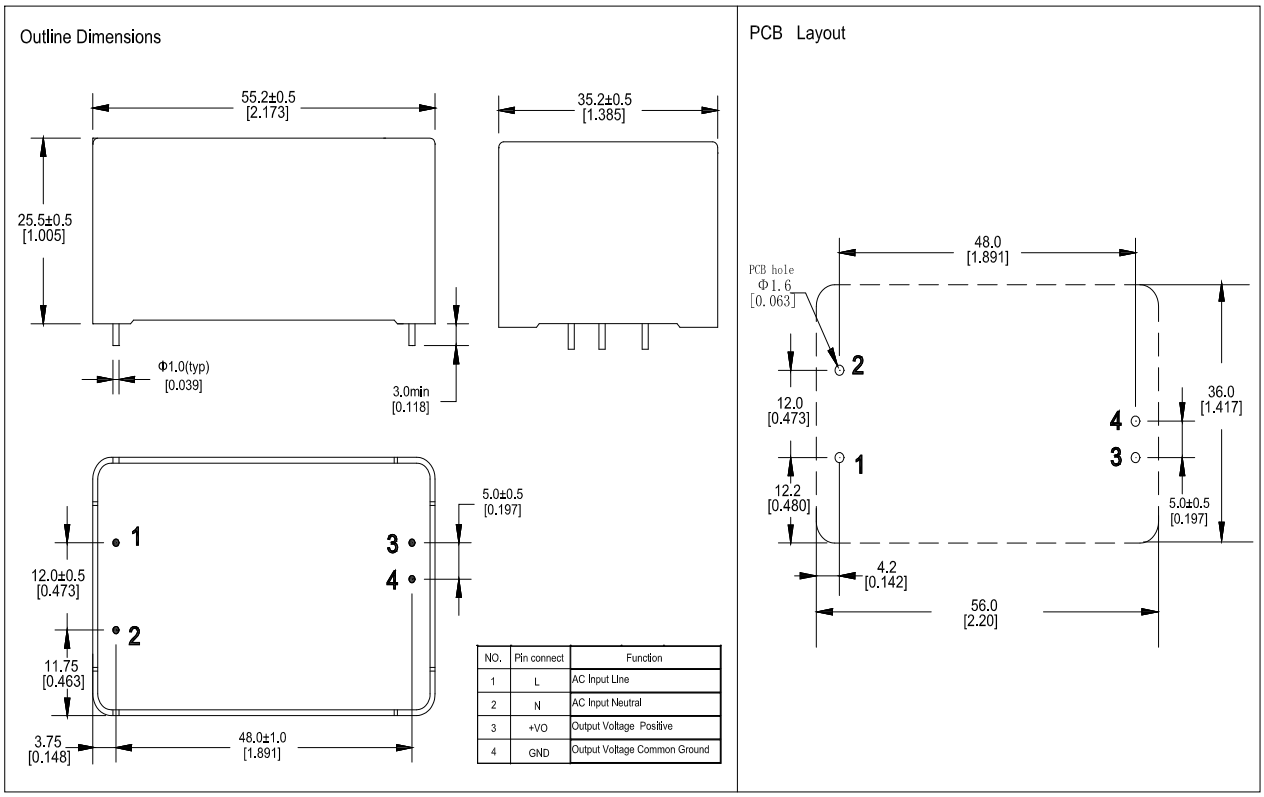
TYPICAL APPLICATION SCHEMATIC



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



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