

Zettler Magnetics Co., Ltd.

Add: 75 Columbia, Aliso Viejo, California 92656

Web: www.zettlermagnetics.com

Phone: (949) 360-5838

Fax: (949) 360-5839

Specification for approval

Customer: _____

Description: Seal switching power module

Customer p/n: _____

Project number: _____

ZETTLER p/n: ZP05SXX00WG

Revision: A0

Page No. : page 1 of 3

Draft date : 2014/5/29

Drafted	Checked	Approved

Approved by Customer : _____

Friendly Reminder: Please help to sign this Spec when approve , and fax to our company .
Or else, we will consider you have accepted it and make future order based on this Spec.



A0	2014/5/29	Frist Made	Dana
Rev.	Date	Description	Approved

Zettler Magnetics Co., Ltd.
SPECIFICATIONS FOR APPROVAL

CUSTOMER:

Customer p/n:

ZETTLER P/N: ZP05SXX00WG

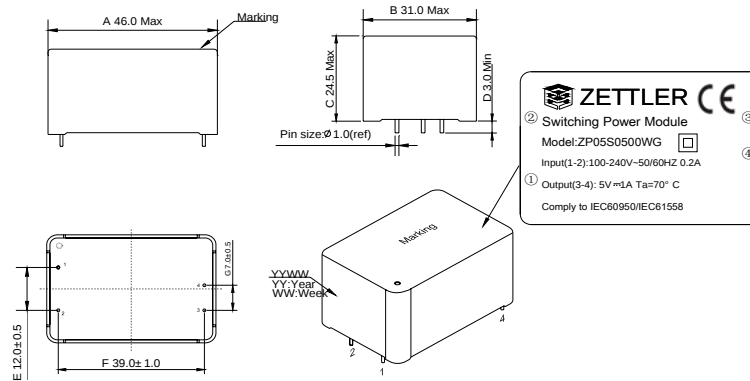
DATE:2014-5-29

VER.:A0

PAGE No.:page 2 of 3

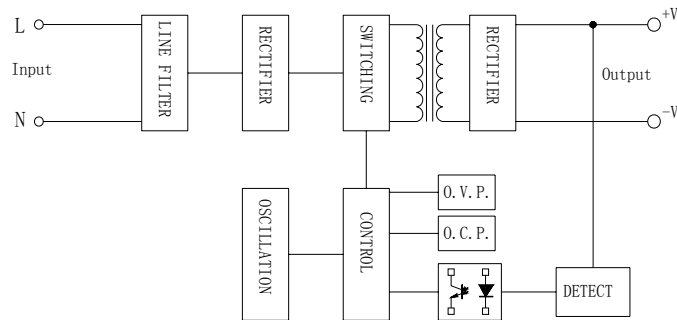
1.OUTLINE DRAWING:

UNIT:mm

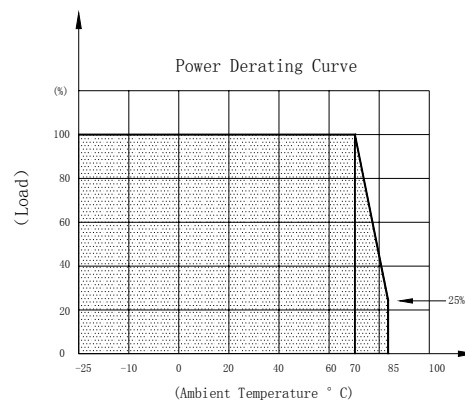


NO.	Pin connect	Function
1	L	AC Input Line
2	N	AC Input Neutral
3	DC+	Output Positive
4	DC-	Output Negative

2.SCHEMATIC:



3.DERATING:



4.ELECTRICAL SPECIFICATION:

ITEM	FULL LOAD CURRENT (mA)		LOSS POWER (W)	OUTPUT VOLTAGE (VDC)		OVER POWER PROTECTION		SHORT CIRCUIT PROTECTION	HI-POT VOLTAGE
CONDITION	Input: 110V 60Hz	Input: 220V 50Hz	Input: 110/60HZ 220V/50Hz	Input: 110/60HZ 220V/50Hz		110V 60Hz	220V 50Hz	220V 50Hz	5mA/2s/50Hz
TERMINAL	1--2	1--2	1--2	3--4		3--4	3--4	3--4	P--S
				0mA	mA				
STANDARD	150mA MAX	100mA MAX	0.3W MAX	±5%	±5%	≤A	≤A	Hiccup mode	4200V

CUSTOMER: Customer p/n: ZETTLER P/N: ZP05SXX00WG DATE:2014-5-29 VER. :A0 PAGE No. :page 3 of 3

Model No.		ZP05S0 500WG	ZP05S0 600WG	ZP05S0 700WG	ZP05S0 900WG	ZP05S1 000WG	ZP05S1 200WG	ZP05S1 500WG	ZP05S1 800WG	ZP05S2 400WG
Max Output Wattage (W)		5W								
Input	Rate Voltage	100-240VAC								
	Voltage Range	90-264 VAC								
	Frequency (Hz)	47-63 Hz								
	Current (Full load)	150 mA max. (100 VAC) / 100 mA max. (240 VAC)								
	Inrush Current (<500us)	15 A max. (100 VAC) / 25 A max. (240 VAC)								
	No Load Losses	0.3W Max								
	Leakage Current	0.3 mA max.								
Output	Voltage 1 (V.DC.)	5V	6V	7.5V	9V	10V	12V	15V	18V	24V
	Voltage Accuracy	±5%								
	Current (mA) max	1000	833	667	555	500	417	333	277	208
	Line Regulation (LL-HL) (typ.)	±1%								
	Minimum Load	0%								
	Ripple	<50mV max (Vp-p)								
	Noise	<1% Output Voltage max (Vp-p)								
	Efficiency(Typ)	75%								
	Hold-up Time	15 ms min.								
	Switching Frequency	67 KHz								
Protection	Over Current Protection	Hiccup mode								
	Over Voltage Protection	Hiccup mode								
	Short Circuit Protection	Hiccup mode								
Insulation	Input vs Output (V.AC)	3600V/50HZ 5mA 1min (OR 4200VAC/2S)								
Environment	Operating Temperature	-25° C---+70° C (Full Load)								
	Storage Temperature	-40° C---+105° C								
	Temperature Coefficient	±0.02%/° C								
	Humidity	20-95% RH								
	MTBF	>300,000 h @ 25° C (MIL-HDBK-217F)								
Physical	Dimension (L x W x H)	1.81 x 1.22 x0.965 Inches (46 x 31.0 x24.5mm) Max								
	Case Material	Plastic resin with Fiberglass (flammability to UL 94V-0)								
	Weight	50g								
	Cooling Method	Free air convection								
Safety	Agency Approvals	Refer to IEC60950-1/EN60950-1, IEC61558-1/EN61558-1, EN61558-2-6, EN61558-2-17								
EMC	EMI (Conducted & Radiated Emission)	Compliance With EN 55022 Class B								
	EMS (Noise Immunity)	Compliance With EN 55024, EN55014-1, EN55014-2, EN61000-3-2 Class A, EN61000-3-3								