

Zettler Magnetics Co., Ltd.

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Specification for approval

Customer: _____

Description: Seal switching power module

Customer p/n: _____

Project number: _____

ZETTLER p/n: ZP05DXXXXW-NC

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	2010/11/12	Modify Postfix (Add -NC)	Jason
Rev.	Date	/Description	Approved

Zettler Magnetics Co., Ltd.

SPECIFICATIONS FOR APPROVAL

CUSTOMER:

Customer p/n:

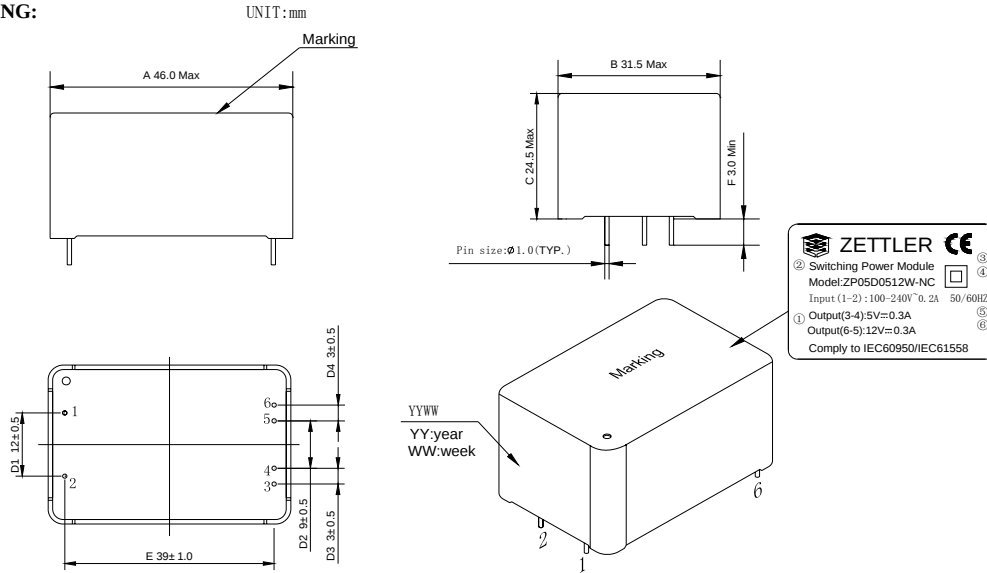
ZETTLER P/N: ZP05DXXXXW-NC

DATE:2014-5-29

VER.:A0

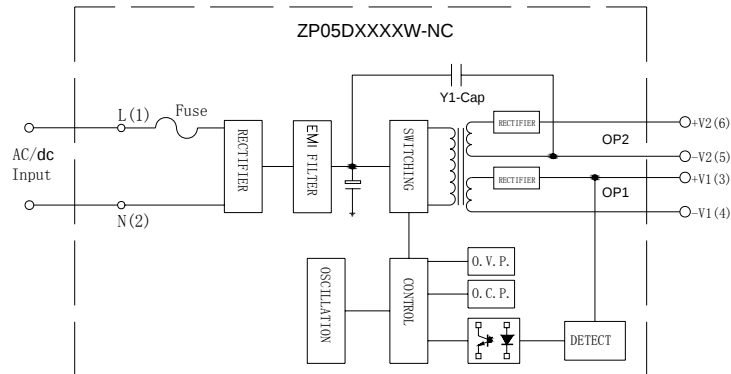
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1.OUTLINE DRAWING:

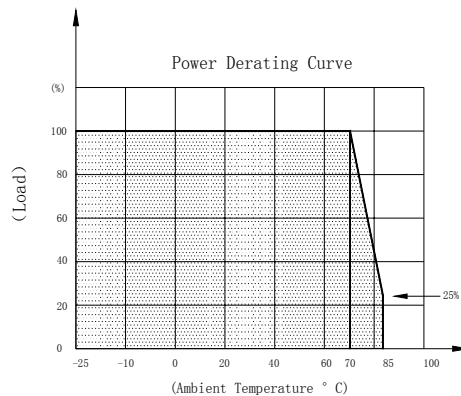


NO.	Pin connect	Function
1	L	AC Input Line
2	N	AC Input Neutral
3	+V1	Output Voltage 1 Positive
4	-V1	Output Voltage 1 Negative
5	-V2	Output Voltage 2 Negative
6	+V2	Output Voltage 2 Positive

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	5--6	3--4	3--4	3--4	P--S
				0mA	mA	Full Load	Full Load		
STANDARD	150mA MAX	100mA MAX	0.3W MAX	±3%	±10%	≤A	≤A	Hiccup mode	4200V

承认书 / SPECIFICATIONS FOR APPROVAL

CUSTOMER: Customer p/n: ZETTLER P/N: ZP05DXXXXW-NC DATE:2014-5-29 VER.:A0 PAGE No.:page 3 of 3

4.ELECTRICAL SPECIFICATIONS(电性能参数):

Model No. (Dual Output)		(ZP05D0505W,ZP05D0606W,ZP05D0707W,ZP05D0909W, ZP05D1010W,ZP05D1212W,ZP05D1515W,ZP05D1818W,ZP05D2424W)-NC	ZP05D031 2W-NC	ZP05D051 2W-NC	ZP05D071 2W-NC
Max Output Wattage (W)		5W			
Input	Rate Voltage	100-240VAC			
	Voltage Range	90-264 VAC (OR 100-370Vdc)			
	Frequency (Hz)	47-63 Hz			
	Current (Full load)	150mA max. (100 VAC) / 100 mA max. (240 VAC)			
	Inrush Current (<500us)	15A max. (100 VAC) / 25 A max. (240 VAC)			
	No Load Losses	0.3W Max			
	Leakage Current	0.3mA MAX			
Output	Voltage 1 (V.DC.)	5V, 6V, 7.5V,9V,10V,12V,15V,18V,24V	3.3V	5V	7.5V
	Voltage 1 Accuracy (At Full Load)	±3%	±3%	±3%	±3%
	Wattage (Output 1)	2.5W	1.5W		
	Voltage 2 (V.DC.)	Same With Output Voltage 1	12V	12V	12V
	Voltage 2 Accuracy (At Full Load)	±10%.	±10%	±10%	±10%
	Wattage (Output 1)	2.5W	3.5W		
	Line Regulation (LL-HL) (typ.)	1%			
	Load Regulation (0-100%) (typ.)	1%			
	Noise(AT 110VAC and 220VAC)	<1% Output Voltage max (Vp-p)			
	Efficiency(Typ)	70%			
	Hold-up Time	15 ms min.			
	Switching Frequency	67 KHz			
	Protection	Over Power Protection	Hiccup mode		
Over Voltage Protection		Hiccup mode			
Short Circuit Protection		Hiccup mode			
Insulation	Input vs OP1/OP2	3600V/50HZ 5mA 1min (OR 4200VAC/2S)			
	OP1 vs OP2 (V.AC)				
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 1.24 x0.965 Inches (46 x 31.5 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 A			
	EMS (Noise Immunity)	Compliance With EN 55024, EN55014-1, EN55014-2, EN61000-3-2 Class A, EN61000-3-3			