

Switch Mode Power Module

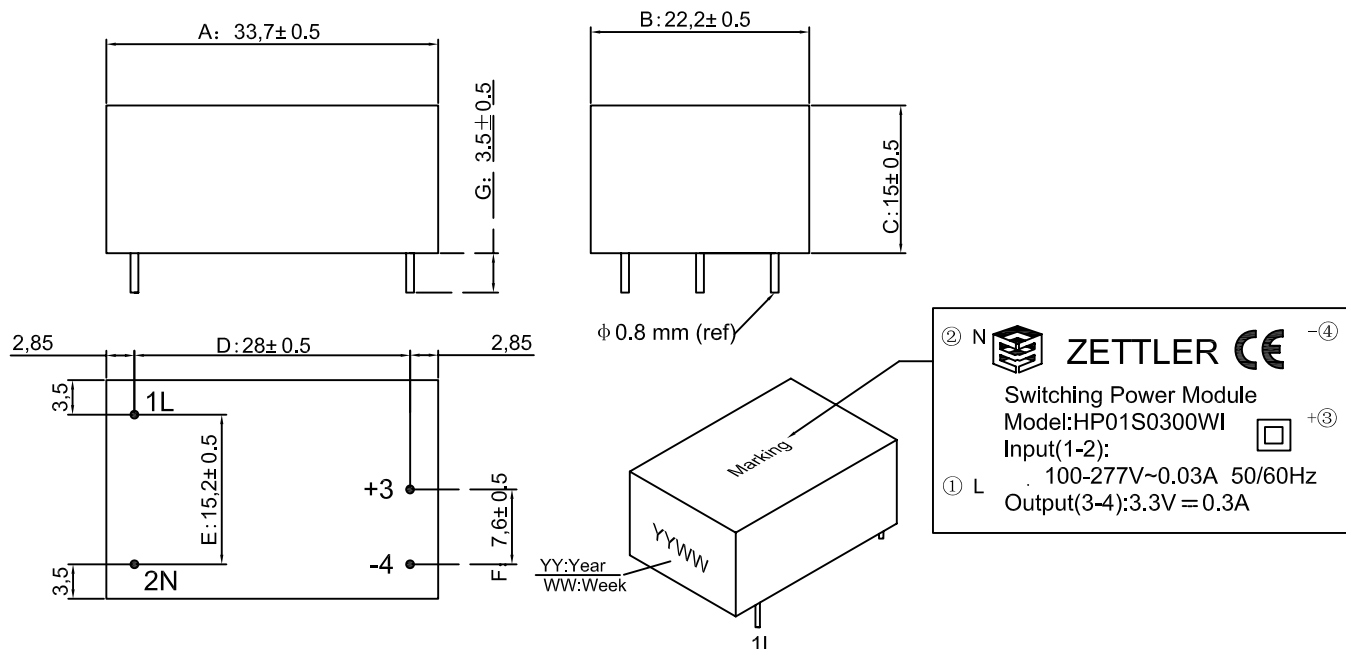
1W Single Output

PAGE REV	DESCRIPTION	DATE	BY
A0	CREATED	2017-03-03	Wei

1. ELECTRICAL SPECIFICATIONS:

Model NO.		HP01S 0300WI	HP01S 0500WI	HP01S 0600WI	HP01S 0700WI	HP01S 0800WI	HP01S 0900WI	HP01S 1000WI	HP01S 1200WI	HP01S 1500WI	HP01S 1800WI	HP01S 2400WI
Max Output Wattage (W)		1 W										
INPUT	Rated Voltage	100-277VAC										
	Voltage Range	85-305 VAC 47/63Hz										
	Inrush Current (<500us)	6 A max. (115 VAC) / 10 A max. (230 VAC)										
	No Load Losses	0.15W Max										
OUTPUT	Voltage (VDC.)	3.3V	5V	6V	7.5V	8V	9V	10V	12V	15V	18V	24V
	Voltage Accuracy (Full Load)	± 5%	± 3%									
	Current (mA) max	300	200	166	133	125	111	100	83	66	55	42
	Noise+Noise	Vout max(Vp-p) (With External filter components)										
		<5%		<4%		<3%			<2%			
	Efficiency(Typ)	70%										
PROTECTION	OPP (Over Power Protection)	Hiccup mode										
	SCP (Short Circuit Protection)	Hiccup mode										
WEIGHT (TYP)		19.3g(Ref.)										
SAFETY	Safety Standard	Refer to IEC60950-1,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(Need to add external EMC Component)										

2. MECHANICAL SPECIFICATIONS:

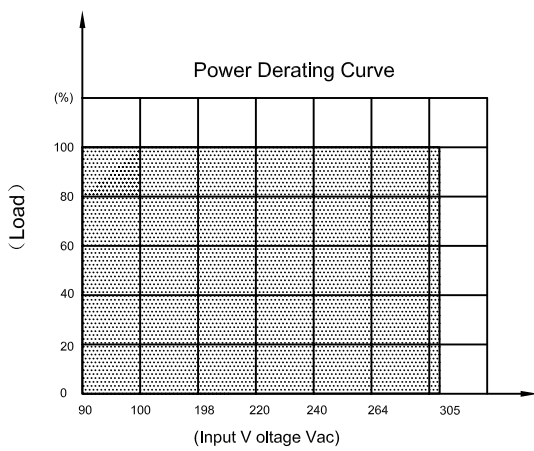
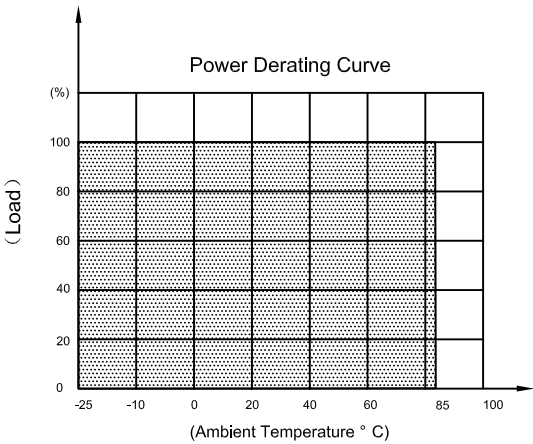


UNIT MM	TOLERANCE X.X = ± 0.4 X.XX = ± 0.3 ANG = -	ZETTLER MAGNETICS		
3RD ANGLE 		TITLE: 1W SINGLE OUTPUT SWITCH MODE POWER MODULE		
SCALE:		PART NO: HP01SXX00WI		
DRAWN: Wei	2017-03-03	ZM Project:		
CHECKED:		Customers p/n:		
APPROVED:		SPEC REV: A/0		
		SH NO 1/2		

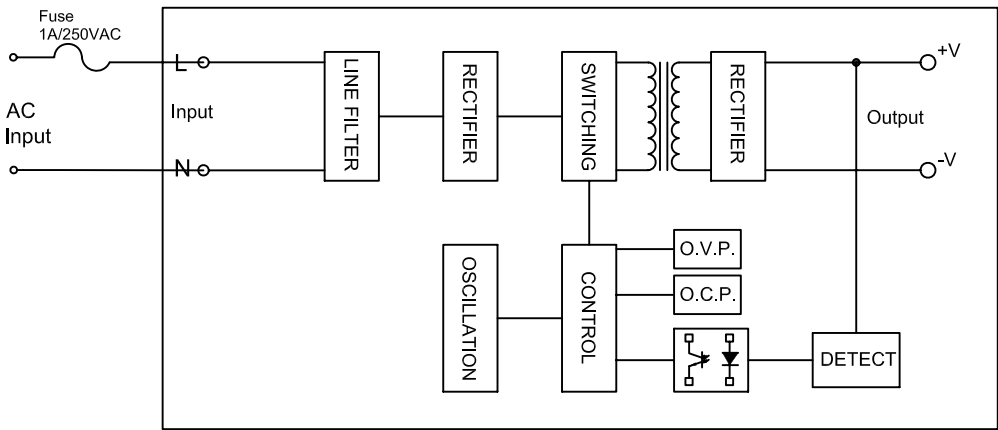
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3. DERATING:



4. SCHEMATIC DIAGRAM:



5. ELECTRICAL TABLE:

ITEM	FULL LOAD POWER (W)		LOSS POWER (W)	OUTPUT VOLTAGE(VDC)		OVER POWER PROTECTION		SHORT CIRCUIT PROTECTION	HI-POT VOLTAGE
CONDITION	Input: 90V 60Hz	Input: 305V 50Hz	Input: 90V/60Hz 305V/50Hz	Input: 90/60Hz / 305V/50Hz		Input: 90V 60Hz	Input: 305V 50Hz	Input: 305V/50Hz	5mA/ 2s/50Hz
TERMINAL	1--2	1--2	1--2	3--4		3--4	3--4	3--4	P--S
				0mA	mA				
STANDARD	2.0W MAX	2.0W MAX	0.15W MAX	± 3%(3.3V± 5%)	± 3%(3.3V± 5%)	≤ A	≤ A	Hiccup mode	3600V

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UNIT MM	TOLERANCE X.X = ± 0.4 X.XX = ± 0.3 ANG = -	
3RD ANGLE 		
SCALE:		DATA
DRAWN:	Wei	2017-03-03
CHECKED:		
APPROVED:		

ZETTLER MAGNETICS

TITLE: 1W SINGLE OUTPUT SWITCH MODE POWER MODULE

PART NO:
HP01SXX00WI

ZM Project:		SPEC REV: A/0
Customers p/n:		SH NO 2/2