

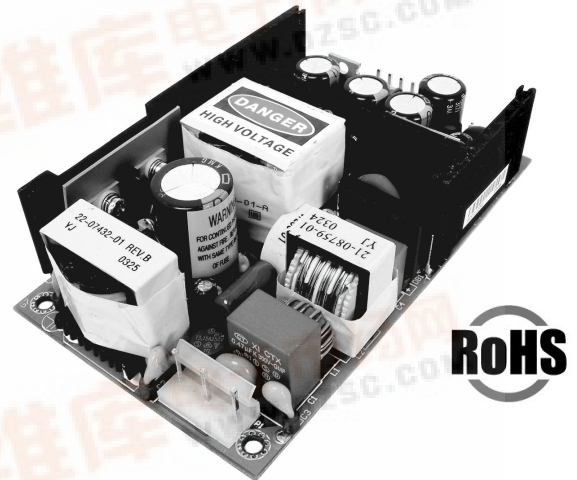


PART NUMBER: VSB-150 series

DESCRIPTION: single output switching power supply

features

- wide input voltage range: 90~264 V ac, 47~63 Hz
- internal EMI filter
- single output
- input connector mates with Molex housing 09-50-3051 and Molex 2478 series crimp terminal
- output connector mates with Molex housing 09-50-3061 (or 09-50-3081) and Molex 2478 series crimp terminal
- output voltage available from 9 to 48 V dc
- input surge current and over load protection
- over voltage protection (crowbar design)
- size: 3 x 5 x 1.09 inches
- class I insulation
- 2 year warranty



model number	output voltage	output current	total regulation	max output power
VSB-150-9	9 V dc	16 A	±5%	144 W
VSB-150-12	12 V dc	12.5 A	±5%	150 W
VSB-150-15	15 V dc	10 A	±5%	150 W
VSB-150-18	18 V dc	8.33 A	±4%	150 W
VSB-150-24	24 V dc	6.25 A	±3%	150 W
VSB-150-30	30 V dc	5 A	±2%	150 W
VSB-150-36	36 V dc	4.17 A	±2%	150 W
VSB-150-48	48 V dc	3.13 A	±2%	150 W

INPUT

parameter	conditions/description	min	nom	max	units
input frequency		47		63	Hz
input voltage	output power derated from 85-90 V ac	90		264	VAC
input current	AC input of 115 V ac			2.0	A
	AC input of 230 V ac			0.8	A
inrush current	measured at 115 V ac at full load, cold start		12	15	A
	measured at 230 V ac at full load, cold start		26	30	A
leakage current	measured at 240 V ac		0.5	0.75	mA



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OUTPUT

parameter	conditions/description	min	nom	max	units
ripple and noise			0.5%	+1%	
line regulation			0.5%	+1%	
load regulation			3%	+5%	
temperature drift		-0.04%		+0.04%	
rise time				4	mS
hold-up time		16			mS

PROTECTION CIRCUIT

parameter	conditions/description	min	nom	max	units
output over current		110		150	%
over voltage		112		132	%

GENERAL

parameter	conditions/description	min	nom	max	units
operating temp.		0		70	°C
storage temp.		-40		85	°C
operating humid.	non-condensing	5%		95%	RH
storage humid.	non-condensing	5%		95%	RH
isolation voltage	500 V dc test voltage	50			MΩ
(HI-POT)	primary to secondary	4242			V dc
	primary to ground	2121			V ac
RoHS	yes				
safety	approved to UL/cUL, TUV-Baurart, CE, CISPR-22 class B, FCC part 15 class B, CB				

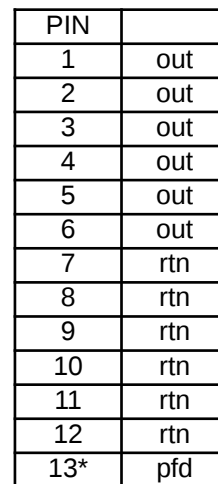
note:

1. to meet the standard of EN61204-3 class B, use the external noise filter between L and N (refer to manual)



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MECHANICAL DRAWING



*13 is optional