ZWS150BAF/FV

SPECIFICATIONS

A250-01-01/FV-B

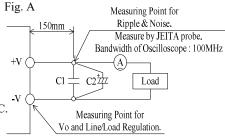
MODEL			ZWS150BAF-12/FV	ZWS150BAF-24/FV	ZWS150BAF-48/FV	
L_	ITEMS		—	10	24	40
1	Nominal Output Voltage		V	12	24	48
2	Maximum Output Current		Α	12.5	6.3	3.2
3	Maximum Output Power	T	W	150.0	151.2	153.6
4	Efficiency (Typ) (*1)	100VAC	%	85	88	89
		200VAC	%	88	90	91
5	Input Voltage Range	(*2)	-	85 - 265VAC (47 - 63Hz) or 120 - 370VDC		
6	Input Current (Typ)	(*1)	A	1.9/0.95		
7	Inrush Current (Typ)	(*1)(*3)	-	14A at 100VAC, 28A at 200VAC, Ta=25°C, Cold Start		
8	PFHC		-	Designed to meet IEC61000-3-2		
9	Power Factor (Typ)	(*1)	-	0.98/0.93		
10	Output Voltage Range		-	Fixed		
11	Output Voltage Accuracy		V	11.5 - 12.5	23.0 -25.0	46.0 - 50.0
12	Maximum Ripple & Noise	0 <u>≤</u> Ta <u>≤</u> 70°C	mV	150	150	200
	(*4)	-10 <u>≤</u> Ta<0°C	mV	180	180	240
13	Maximum Line Regulation	(*4)(*5)	mV	48	96	192
14	Maximum Load Regulation	(*4)(*6)	mV	96	150	240
15	Temperature Coefficient	(*4)	-	Less than 0.02% / °C		
16	Over Current Protection	(*7)	A	13.13 -	6.62 -	3.36 -
17	Over Voltage Protection	(*8)	V	13.8 - 16.2	27.6 - 32.4	55.2 - 64.8
18	Hold-up Time (Typ)	(*1)	-	20ms		
19	Leakage Current	(*9)	-	Less than 0.5mA. 0.2mA(Typ) at 100VAC / 0.4mA(Typ) at 230VAC		
20	Parallel Operation		-	-		
21	Series Operation		-	Possible		
22	Operating Temperature	(*10)	-	Convection: -10 to +70°C (-10 to +50°C:100%, +60°C:75%, +70°C:50%)		
23	Operating Humidity		-	30 to 90%RH (No Condensing)		
24	Storage Temperature		-	-30 to +75°C		
25	Storage Humidity		-	10 to 90%RH (No Condensing)		
26	Cooling		-	Convection Cooling		
27	Withstand Voltage		-	Input - FG : 2kVAC (10mA), Input - Output : 3kVAC (10mA)		
				Output - FG: 500VAC (20mA) for 1min		
28	Isolation Resistance		-	More than 100MΩ at 25°C and 70%RH Output - FG: 500VDC		
29	Vibration		-	At no operating, 10 - 55Hz (Sweep for 1min)		
				19.6m/s ² Constant, X,Y,Z 1hour each.		
30	Shock		-	Less than 196.1m/s ²		
31	Safety		-	Approved by UL62368-1, CSA62368-1, EN62368-1, UL60950-1, CSA60950-1,		
	3				date of 60950-1: 20/12/202	
			Designed to meet DENAN at 100VAC Only.			
32	Conducted Emission		-	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B		
33	Radiated Emission		-	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B		
34	Immunity		-	Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11		
35	Weight (Typ)		g	390		
36	Size (W x H x D)		mm	75 x 37 x 160 (Refer to Outline Drawing)		
50	DILL (WALLAD)		111111	/3 A 3 / A 100 (Refer to Outline Drawing)		

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

- *1. At 100VAC/200VAC, Ta=25°C, nominal output voltage and maximum output power.
- *2. For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100 240VAC(50/60Hz).
- *3. Not applicable for the inrush current to Noise Filter for less than 0.2ms.
- *4. Please refer to Fig. A for measurement of Vo, line & load regulation and ripple voltage.
- *5. 85 265VAC, constant load.
- *6. No load-Full load, constant input voltage.
- *7. Constant current limit with automatic recovery.

 Avoid to operate at over load or short circuit condition for more than 30seconds.
- *8. OVP circuit will shut down output, manual reset (Re power on).
- *9. Measured by the each measuring method of UL, CSA, EN and DENAN(at 60Hz), Ta=25°C.
- *10. Output Derating
 - Derating at standard mounting. Refer to output derating curve(A250-01-02_).
 - When forced air cooling, refer to output derating curve(A250-01-03_).
 - Load (%) is percent of maximum output power or maximum output current, whichever is greater.



C1 : Film Cap. 0.1 μF C2 : Elect. Cap. 100 μF