HWS50

SPECIFICATIONS

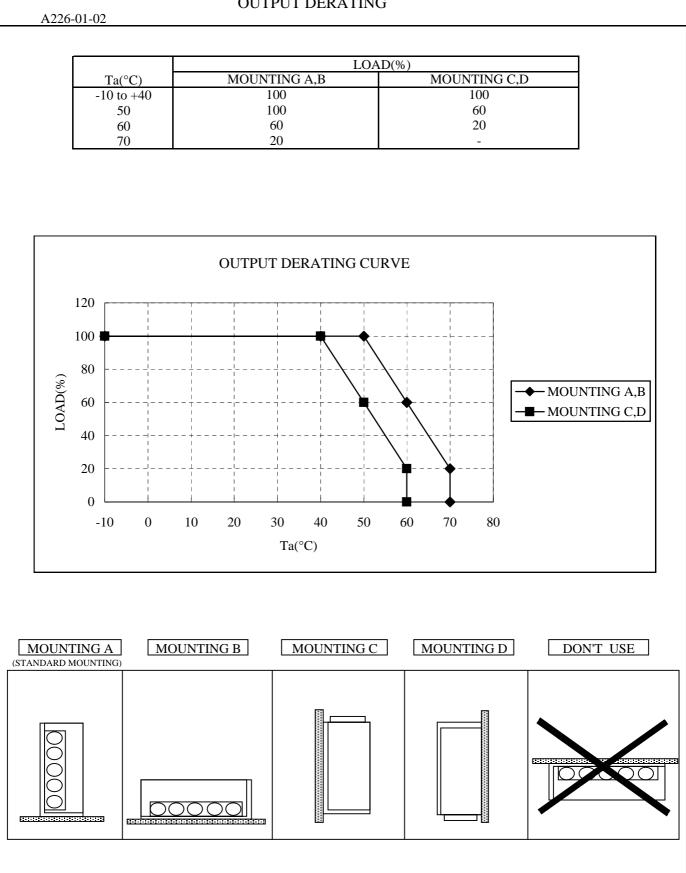
A226.01.01D										
A226-01-01D MODEL				HWS50	HWS50	HWS50	HWS50	HWS50	HWS50	
				-3	-5	-12	-15	-24	-48	
1	ITEMS Nominal Output Voltage			3.3	5	12	15	24	48	
2	Maximum Output Current		V A	10	10	4.3	3.5	2.2	1.1	
3	Maximum Output Current Maximum Output Power		W	33	50	51.6	52.5	52.8	52.8	
4		100VAC	vv %	76	82	81	81	82	83	
4	Linelency (Typ) (T)	200VAC	⁷⁰ %	78	84	83	83	84	85	
5	Input Voltage Range	(*2)	-	70					05	
	5 Input Current (100/200VAC)(Typ) (*1)			85 - 265VAC (47 - 63Hz) or 120 - 370VDC 0.5/0.25 0.7/0.35						
7			A -	14A at 100VAC, 28A at 200VAC, Ta=25°C, Cold Start						
	PFHC (5)		_	Designed to meet IEC61000-3-2						
	Power Factor (100/200VAC)(Typ) (*1)		_	0.98/0.90 0.99/0.95						
10			V	2.97-3.96	4.0-6.0	9.6-14.4	12.0-18.0	19.2-28.8	38.4-52.8	
11	Maximum Ripple & Noise	0≤Ta≤70°C		120	120	150	12.0 10.0	150	200	
11		-10 <u><</u> Ta<0°C		160	160	180	180	180	240	
12	Maximum Line Regulation	(*5)		20	20	48	60	96	192	
	Maximum Load Regulation	(*6)		40	40	96	120	192	384	
	Temperature Coefficient			Less than 0.02% / °C						
	Over Current Protection	(*7)	- A	10.5 <u><</u>	10.5 <u><</u>	4.51 ≤	3.67 <u><</u>	2.31 <u><</u>	1.15 <	
	Over Voltage Protection	(*8)	V	4.13-4.95	6.25-7.25	15.0-17.4	18.8-21.8	30.0-34.8	55.2-64.8	
	Hold-up Time (Typ)	(*9)	-	20ms						
	Leakage Current	(*10)	-	Less than 0.5mA. 0.2mA(Typ) at 100VAC / 0.4mA(Typ) at 230VAC						
	Remote Sensing	(10)	-	-						
	Parallel Operation		-	-						
21	Series Operation	-			Possible					
22				-10 to +70°C (-10 to +50°C:100%,+60°C:60%,+70°C:20%)						
23				30 to 90% RH (No dewdrop)						
	4 Storage Temperature			-30 to +85°C						
25	Storage Humidity			10 to 95%RH (No dewdrop)						
26		Convection Cooling								
27	27 Withstand Voltage			Input - FG : 2kVAC (20mA), Input - Output : 3kVAC (20mA)						
				Output - FG : 500VAC (100mA) for 1min						
28								OVDC		
29	Vibration									
			19.6m/s ² Constant, X,Y,Z 1hour each.							
	Shock (In package) -			Less than 196.1m/s ²						
31	Safety	(*12)	-	Approved by UL60950-1, CSA60950-1, EN60950-1, EN50178						
				Designed to meet DENAN						
	Line DIP		-	Designed to meet SEMI-F47 (200VAC Line only)						
33			-	Designed to meet EN55011/EN55022-B, FCC-B, VCCI-B						
34			-	Designed to meet EN55011/EN55022-B, FCC-B, VCCI-B						
35	Immunity	Designed to meet IEC61000-4-2(Level 2,3), -3(Level 3), -4(Level 3),								
-	36 Weight(Typ.)			-5(Level 3,4), -6(Level 3), -8(Level 4), -11						
	36 Weight(Typ.)			280g						
37 Size (W x H x D)			mm	26.5 x 82 x 120 (Refer to Outline Drawing)						

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

- *1. At 100/200VAC, Ta=25°C 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 in-rush current to Noise Filter for less than 0.2ms.
- *4. Measure with JEITA RC-9131A probe, Bandwidth of scope :100MHz.
- *5. 85 265VAC , constant load.
- *6. No load-Full load, constant input voltage.
- *7. Constant current limit and Hiccup with automatic recovery.
- Not operate at over load or dead short condition for more than 30seconds.
- *8. OVP circuit will shutdown output, manual reset (Re power on).
- *9. At 100/200VAC, nominal output voltage and maximum output current.
- *10. Measured by the each measuring method of UL,CSA,EN and DENAN(at 60Hz).
- *11. Ratings Derating at standard mounting.
 - Load (%) is percent of maximum output power or maximum output current, whichever is greater.
 - As for other mountings, refer to derating curve (A226-01-02_).
- *12. As for DENAN, designed to meet at 100VAC.

TDK-Lambda

HWS50



OUTPUT DERATING