KWD5

PA773-01-01A

SPECIFICATIONS

	ITEMS / MODEL			KWD5-1212		KWD5-1515	
				CH1	CH2	CH1	CH2
1	Nominal Output Voltage		V	+12 (24)	-12	+15 (30)	-15
2	Minimum Output Current		A	0.0	0.0	0.0	0.0
3	Maximum Output Current		A	0.22	0.22	0.18	0.18
4	Maximum Output Power		W	5.3		5.4	
5	Efficiency (Typ.)	(*1)	%	69		69	
6	Input Voltage Range	(*2)	-	85 - 265VAC (47 - 440Hz) or 110 - 340VDC			
7	Input Current (Typ)	(*1)	-	0.2A at 100VAC			
8	Inrush Current (Typ)		-	15A at 100VAC, 30A at 200VAC Ta= +25°C			
9	Output Voltage Range		-	Fixed ±5% (Max)			
10	Maximum Ripple & Noise	(*3)	mV	150	150	150	150
11	Maximum Line Regulation	(*3)(*4)	mV	60	60	75	75
12	Maximum Load Regulation	(*3)(*5)	mV	600	600	750	750
13	Maximum Temperature Drift	(*3)(*6)	mV	120	120	150	150
14	Over Current Protection	(*7)	-	105% -			
15	Over Voltage Protection	(*8)	-	110% -			
16	Parallel Operation		-	-			
17	Series Operation		-	Possible			
18	Hold-Up Time (Typ)		-	17ms at 5W, 100 VAC, Ta = +25°C			
19	Operating Temperature		-	-10 - +70°C (-10°C : 80% 0 - +50°C : 100% +70°C : 25%)			
20	Operating Humidity		-	30 - 90% RH (No Dewdrop)			
21	Storage Temperature		-	-30 - +85°C			
22	Storage Humidity		-	20 - 95% RH (No Dewdrop)			
23	Cooling		-	Convection Cooled			
24	Withstand Voltage		-	Input - Output : 3kVAC (20mA), Input - FG : 2kVAC (20mA), Output - FG : 500VAC (100mA) for 1 min.			
25	Isolation Resistance		-	More than 100MΩ at +25°C and 70%RH Output - FG 500VDC			
26	Vibration		-	10 - 55Hz, Constant Amplitude 1.65mmp-p (Max 98.1m/s^2), sweep 1 min X,Y,Z 1h each			
27	Shock		-	Less than 490.3m/s^2 for 11±5ms on ±(X, Y, Z) axis each 3 times			
28	Safety		-	Approved by UL62368-1, CSA62368-1, EN62368-1, UL60950-1, CSA60950-1, EN60950-1(Expire date of 60950-1 : 20/12/2020)			
29	Conducted Radio Noise	(*9)	-	Designed to meet VCCI - Class A, FCC class B, VDE class B			
30	Weight (Typ.)		-	75g			
31	Size (W x H x D)		mm	45 x 20.5 x 55 (Refer to Outline Drawing)			

*Read Instruction Manual carefully, before using the power supply unit.

=NOTES=

* 1 : At 100VAC and Maximum Output Power, Ta = +25°C.
* 2 : For cases where conformance to various safety specs (UL, CSA & EN) are required, to be described as 100 - 240VAC, 50 / 60Hz on name plate.
* 3 : Please refer to Fig. A for measurement determination of Line & Load Regulation and Output Ripple & Noise Voltage.
* 4 : From 85 - 265VAC, Constant Load.
* 5 : From Min load - Full load (Maximum power), Constant Input Voltage.
* 6 : From 0 - +50°C, Constant Input Voltage and Load.
* 7 : Current limiting with automatic recovery. Avoid to operate overload or dead short for 30 seconds.
* 8 : Over Voltage Clamping by Zener Diode (On CH2 Only).
* 9 : VDE class - B with external capacitor.

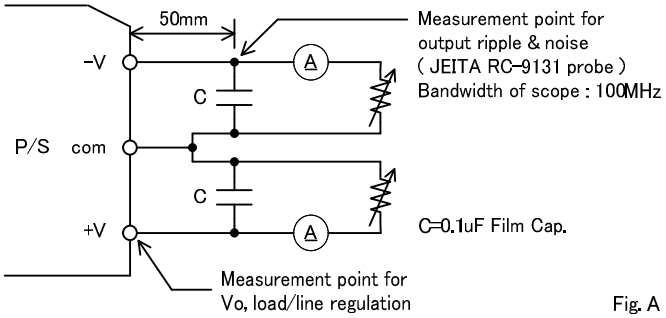

Fig. A