

**KWD15 SPECIFICATIONS**

PA775-01-01A

ITEMS	MODEL	KWD15-1212		KWD15-1515		
		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	0.65	0.65	0.52	0.52
4	Maximum Output Power	W	15.6		15.6	
5	Efficiency (Typ) (*1)	%	75		75	
6	Input Voltage Range (*2)	-	85 - 265VAC (47 - 440Hz) or 110 - 340VDC			
7	Input Current (Typ) (*1)	-	0.4A at 100VAC			
8	Inrush Current (Typ)	-	20A at 100VAC, 40A 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 15W, 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%RH - 95%RH (No dewdrop)			
23	Cooling	-	Convection Cooling			
24	Withstand Voltage	-	Input - Output : 3kVAC (20mA), Input - FG : 2kVAC (20mA), Output - FG : 500VAC (100mA) for 1min each.			
25	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output - FG 500VDC			
26	Vibration	-	10 - 55Hz, Constant Amplitude 1.65mm p-p (Max 98.1m/s <sup>2</sup> ), sweep 1 min X,Y,Z 1 h each			
27	Shock	-	Less than 490.3m/s <sup>2</sup> for 11±5ms on ±(X, Y, Z) axis each 3 times			
28	Safety	-	Approved by UL60950-1, CSA C22.2 No.60950-1, EN60950			
29	Conducted Radio Noise (*9)	-	Designed to meet VCCI - Class A, FCC class B, VDE class B			
30	Weight	-	150g			
31	Size (WxHxD)	mm	48 x 23.5 x 70			

\*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 & TUV) 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 over load or dead short for more than 30 seconds.
- \* 8 : Over Voltage Clamping by Zener Diode (on CH2 only).
- \* 9 : VDE class B with external capacitor.

