

KWD5 SPECIFICATIONS

PA773-01-01

| 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%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 ²), sweep 1 min X,Y,Z 1 h each | | | |
| 27 | Shock | - | Less than 490.3m/s ² 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 | - | 75g | | | |
| 31 | Size (WxHxD) | mm | 45 x 20.5 x 55 | | | |

*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.

