

ZWS75PF

SPECIFICATIONS

CA705-01-01D

ITEMS	MODEL	ZWS									
		75PF-3	75PF-5	75PF-9	75PF-12	75PF-15	75PF-24	75PF-36	75PF-48		
1	Nominal Output Voltage	V	3.3	5	9	12	15	24	36	48	
2	Minimum Output Current	A	0	0	0	0	0	0	0	0	
3	Maximum Output Current	A	15	15	8.5	6.3	5	3.2	2.1	1.6	
4	Peak Output Current (* 1)	A	18	18	10	7.5	6	3.8	2.5	1.9	
5	Maximum Output Power	W	49.5	75	76.5	76	75	76.8	75.6	76.8	
6	Peak Output Power (* 1)	W	59.5	90	90	90	90	91.2	90	91.2	
7	Efficiency (Typ) (* 2)	%	70	75	76	77	78	80	80	80	
8	Input Voltage Range (* 3)	-	85 - 132VAC / 170 - 265VAC (Auto selectable) / 47 ~ 63Hz								
9	Input Current (Typ)	-	1.5 / 0.8A at 100 / 200VAC								
10	Inrush Current (Typ)	-	30A at 100 / 200VAC (Ta = 25°C Cold Start)								
11	PFHC (* 4)	-	Conform to IEC 1000 - 3 - 2 class D.								
12	Output Voltage Range	-	±10%								
13	Maximum Ripple & Noise (* 5)	0~+60°C	mV	120	120	150	150	150	200	300	400
		-10~ 0°C	mV	160	160	180	180	180	200	300	400
14	Maximum Line Regulation (* 5, 6)	mV	20	20	36	48	60	96	144	192	
15	Maximum Load Regulation (* 5, 7)	mV	40	40	72	96	120	150	240	300	
16	Maximum Temperature Drift (* 5, 8)	mV	33	50	90	120	150	240	360	480	
17	Over Current Protection (* 9)	-	130% ~								
18	Over Voltage Protection (* 10)	-	115 ~ 135%								
19	Hold-Up Time (Typ) (* 2)	-	17ms at 75W								
20	Parallel Operation	-	-								
21	Series Operation (* 11)	-	Possible								
22	Operating Temperature (* 12)	-	- 10 ~ 60 °C CONVECTION: -10 ~ 50°C (100%); 60°C (70%)								
23	Operating Humidity	-	30 ~ 90 %RH								
24	Storage Temperature	-	- 30 ~ 85°C								
25	Storage Humidity	-	10 ~ 95%RH								
26	Cooling	-	Convection cooling								
27	Withstand Voltage	-	Input - Output : 3.0kVAC (20mA), Input - FG : 2.0kVAC (20mA) Output - FG : 500VAC (100mA) for 1min.								
28	Isolation Resistance	-	More than 100MΩ at Ta=25°C and 70%RH, Output - FG 500VDC								
29	Vibration	-	10 - 55Hz Amplitude (sweep 1min) Less than 19.6m/s ² X, Y, Z 1Hr each								
30	Shock	-	Less than 196.1m/s ²								
31	Safety	-	Conform to UL1950, CSA 950, EN60950, Build to meet DENTORI								
32	EMI	-	Conform to VCCI - II, FCC class B, EN55022B								
33	Weight	g	500								
34	Size (W.H.D.)	mm	55 x 35 x 222								

NOTES:

- * 1: Operating time at peak output is less than 10sec. (Duty <= 0.35)
- * 2: At 100VAC and Maximum Output Power, Ta = 25°C.
- * 3: For cases where conformance to various safety specs (UL, CSA, EN) are required to be described as 100 - 120VAC, 200 - 240VAC, 50/60Hz on name plate.
- * 4: At 100/230VAC and Input power 50W to Maximum Output Power.
- * 5: Please refer to Fig A for measurement of line & load regulation and output ripple voltage.
(Measure with JEITA RC-9131 probe)
- * 6: From 85 - 132VAC / 170 - 265VAC, constant load.
- * 7: From Min load - Full load (Maximum power), constant input voltage.
- * 8: From -10 ~ +50°C, constant input voltage and load.
- * 9: Current limiting with automatic recovery.
Avoid to operate overload or dead short for more than 30seconds.
- * 10: OVP circuit will shutdown output, manual reset.
- * 11: Refer to Instruction Manual.
- * 12: At standard mounting method, Fig B.

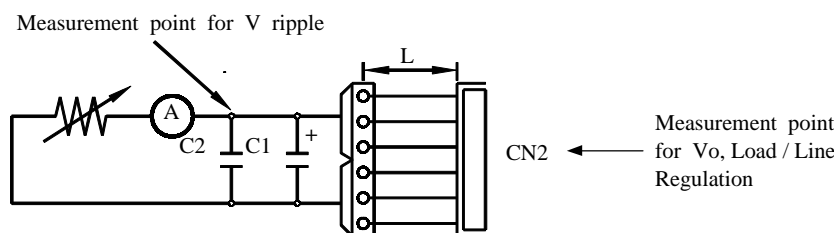
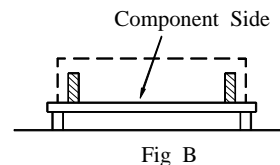


Fig. A L : 150mm AWG#18
C1 : Elec. Cap 100μF
C2 : Film Cap 0.1μF
Bandwidth of scope : 100MHz

OUTPUT DERATING

*COOLING: CONVECTION COOLING

Ta (°C)	LOADING CONDITION (%)				
	Mounting A	Mounting B	Mounting C	Mounting D	Mounting E
-10	100	100	100	100	100
0	100	100	100	100	100
30	100	100	100	100	100
40	100	100	80	80	80
50	100	80	80	60	60
60	70	40	40	40	40

