

A112-01-01C

Items	Model	ZD75-0524		ZD75-0512		ZD75-0824		ZD75-0024	
		V1	V2	V1	V2	V1	V2	V1	V2
1 Nominal Output Voltage	V	5	24	5	12	8	24	—	24
2 Minimum Output Current	A	0.5	0.8	0.5	0.8	0.5	0.8	—	0.2
3 Average Output Current	A	3	2	3	3	2	2	—	2
4 Peak Output Current	(=1) A	6	3	6	4	4	3	—	3
5 Average Output Power/CH	W	15	48	15	36	16	48	—	48
6 Average Output Power	W	63		51		64		48	
7 Peak Output Power/CH	(=1) W	30	72	30	48	32	72	—	72
8 Peak Output Power	(=1) W	75		75		75		72	
9 Efficiency (Typ)	(=2) %	75		73		77		77	
10 Input Voltage Range	(=3)	85-132VAC / 170-265VAC (47-440Hz) or 230-330VDC							
11 Input Current (Typ)	(=2) A	1.4A at 100VAC / 0.7A at 200VAC							
12 In-rush Current (Typ)	(=4) A	30A at 100/200VAC							
13 Output Voltage Range		V1 $\pm 5\%$; V2 Fixed						—	$\pm 5\%$
14 Maximum Ripple & Noise	mV	120	480	120	240	160	480	—	480
15 Maximum Line Regulation (*5,10)		$\pm 5\%$	$\pm 10\%$	$\pm 5\%$	$\pm 10\%$	$\pm 5\%$	$\pm 10\%$	—	$\pm 5\%$
16 Maximum Load Regulation (*6,10)		$\pm 5\%$	$\pm 10\%$	$\pm 5\%$	$\pm 10\%$	$\pm 5\%$	$\pm 10\%$	—	$\pm 5\%$
17 Maximum Temperature Drift (*7,10)		105%							
18 Over Current Protection (*8)		110 ~ 135% (V1), 135 ~ 160% (V2)							
19 Over Voltage Protection (*9)		110-135% (V2)							
20 Hold-up Time (Typ)	(=2)	20ms							
21 Operating Temperature (*11)	°C	-10 ~ +60							
22 Operating Humidity		30 ~ 90% RH (No dewdrop)							
23 Storage Temperature	°C	-30 ~ +85							
24 Storage Humidity		10 ~ 90% RH (No dewdrop)							
25 Cooling		Convection cooled							
26 Withstand Voltage		Input-FG 2.5kVAC Input-Output 3.75kVAC 1min (Leakage current limited 20mA)							
27 Isolation Resistance		More than 100M Ω at 25°C and 70%RH Output-FG 500VDC							
28 Vibration		10-55Hz (sweep 1min) Less than 19.6m/s ² X,Y,Z 1heach							
29 Shock		Less than 196.1m/s ²							
30 Weight	g	350				330			
31 Size (V.H.D)	mm	78,40,175				Refer to Outline Drawing			

NOTES

- * 1 : Operating time at peak output is less than 5 sec.
- * 2 : At 100VAC / 200VAC & Average output power.
- * 3 : For cases where conformance to various safety specs (UL, CSA, VDE) are required, to be described as 100-120VAC, 200-240VAC, 50/60Hz on name plate.
- * 4 : Typical value on cold start, $T_a=25^\circ\text{C}$.
- * 5 : From 85-132VAC or 170-265VAC, constant load.
- * 6 : From Min load ~ Full load (Average current and power), constant input voltage.
- * 7 : From -10-50°C, constant input voltage and load.
- * 8 : Current limiting with automatic recovery.
Avoid to operate over load or dead short for a long time.
- * 9 : OVP circuit will shutdown all outputs, manual reset.
- * 10 : Please refer to Fig. A for measurement determination of line & load regulation and output ripple voltage.
- * 11 : Ratings - Refer to Derating Curve on the right. (At standard mounting method, Fig. B.)
 - Load (%) is percent of Average output power or Average current, whichever is greater.
 - Refer to instruction manual for further mounting details.

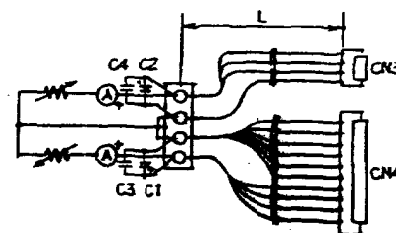


Fig. B

L=150(mm) AWG #20

C1 : Electrolytic Cap. 1000uF

C2 : Electrolytic Cap. 100uF

C3, C4 : Film Cap. 0.1uF

Bandwidth of scope : 20MHz B.W. Fig. A

Derating Curve

