

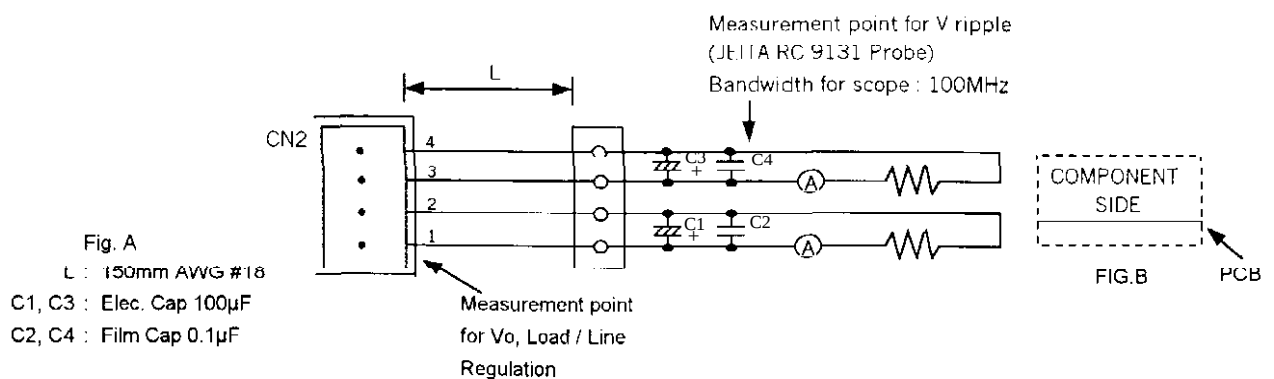
ZD50 SPECIFICATIONS

PA755-01-01A

ITEMS			MODEL		ZD50			
					1205		2405	
1	Nominal Output Voltage	V	12	5	24	5	24	8
2	Minimum Output Current	A	0.4	0	0.2	0	0.2	0
3	Maximum Output Current	A	4	1	2	1	2	0.7
4	Maximum Output Power	W	53		53		53.6	
5	Efficiency (Typ)	(*)1 %	73		73		73	
6	Input Voltage Range	(*)2 -	85-132VAC/170-265VAC (47-440Hz) or 230-330VDC					
7	Input Current (Typ)	(*)1 -	1.4/0.7A at 100/200VAC					
8	Inrush Current (Typ)	-	10A at 100VAC/20A at 200VAC, Ta = 25°C COLD START					
9	Output Voltage Range	-	CH1 : +5% -10%. CH2 : Fixed (±5%)					
10	Maximum Ripple & Noise	(*)3 mV	150	120	200	120	200	150
11	Maximum Line Regulation	(*)3, 4) mV	48	20	96	20	96	32
12	Maximum Load Regulation	(*)3, 5) mV	96	40	150	40	150	64
13	Maximum Temperature Drift	(*)3, 6) mV	120	100	240	100	240	100
14	Over Current Protection	(*)7 -	105% ~					
15	Over Voltage Protection	(*)8 -	Output shutdown 115% ~ 135% (CH1 only)					
16	Hold-Up Time (Typ)	(*)1 -	17 mS					
17	Operating Temperature	(*)9 -	-10 ~ 50°C ; 100% 60°C; (70%)					
18	Operating Humidity	-	30 ~ 90% RH					
19	Storage Temperature	-	-30 ~ 85°C					
20	Storage Humidity	-	10 ~ 95% RH					
21	Cooling	-	Convection Cooled					
22	Withstand Voltage	-	Input - Output : 3.75KVAC, Input-FG : 2.5KVAC Output -FG : 500VAC 1 min.					
23	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output-FG 500VDC					
24	Vibration	-	10-55Hz Amplitude (sweep 1 min) Less than 2G X,Y,Z 1h each					
25	Shock	-	Less than 20G					
26	Safety	-	Built to meet UL1950-D3, CSA1402C & DENTORI, VDE0805/0806					
27	Conducted Radio Noise	-	Built to meet VCCI-II & FCC class B & VDE class B					
28	Weight	g	340					
29	Size (W.H.D)	mm	90 . 26 . 185					

NOTES :

- *1 : At 100VAC and Maximum Output Power, Ta = 25°C
- *2 : 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.
- *3 : Please refer to Fig. A for measurement determination of line & load regulation and output ripple voltage.
- *4 : From 85-132VAC/170-265VAC, constant load.
- *5 : From Min load - Full load (Maximum power), constant input voltage.
- *6 : From -10 ~ +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 : OVP circuit will shut down output, manual reset.
- *9 : At standard mounting method, Fig. B



NEMIC-LAMBDA

ZD 50

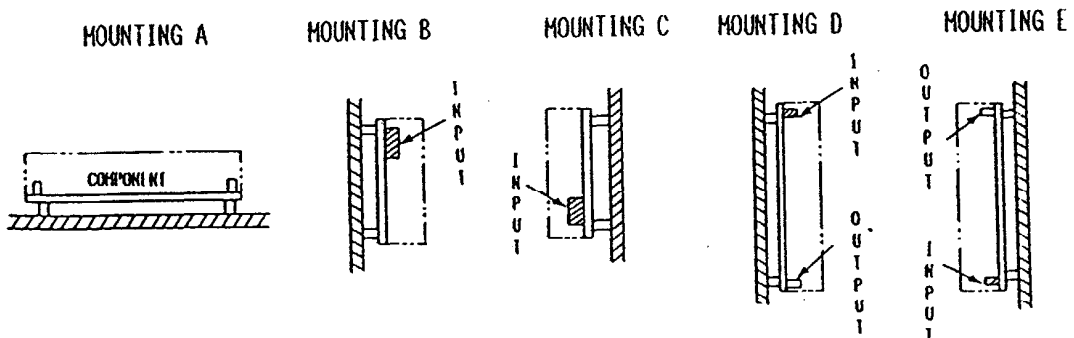
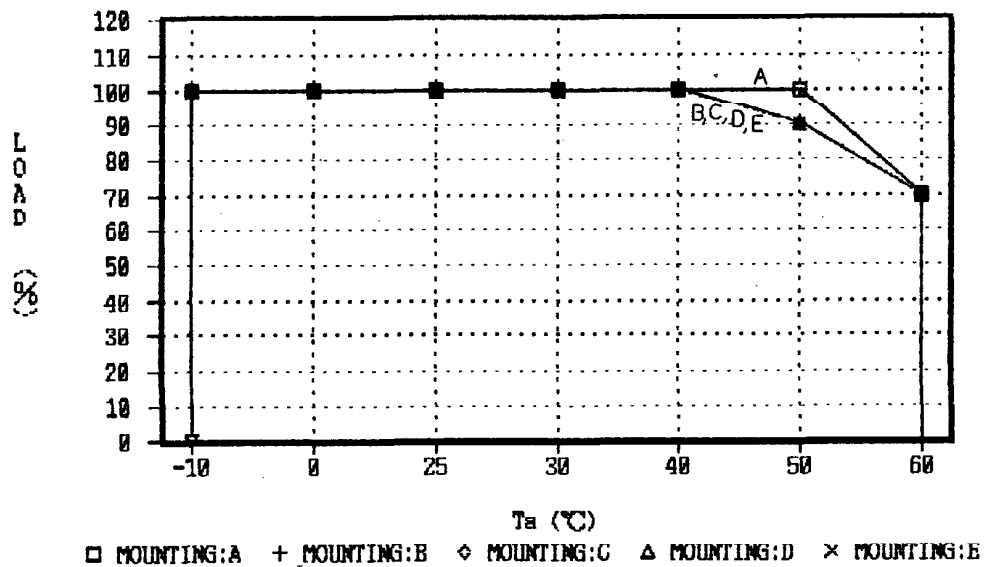
OUTPUT DERATING

PA755-01-02

* COOLING: CONVECTION COOLING

Ta (°C)	LOAD (%)				
	MOUNTING:A	MOUNTING:B	MOUNTING:C	MOUNTING:D	MOUNTING:E
-10	100	100	100	100	100
0	100	100	100	100	100
25	100	100	100	100	100
30	100	100	100	100	100
40	100	100	100	100	100
50	100	90	90	90	90
60	70	70	70	70	70

OUTPUT DERATING CURVE



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