

## SPECIFICATIONS

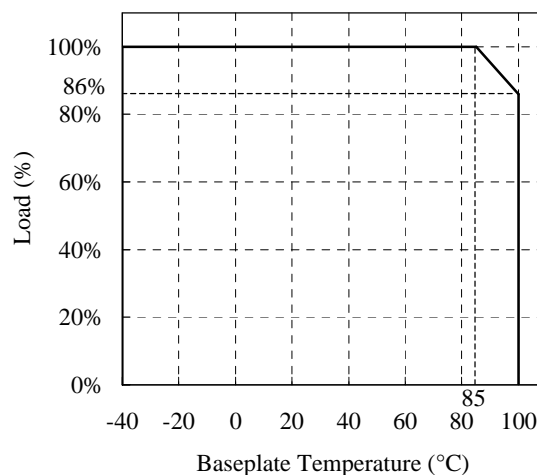
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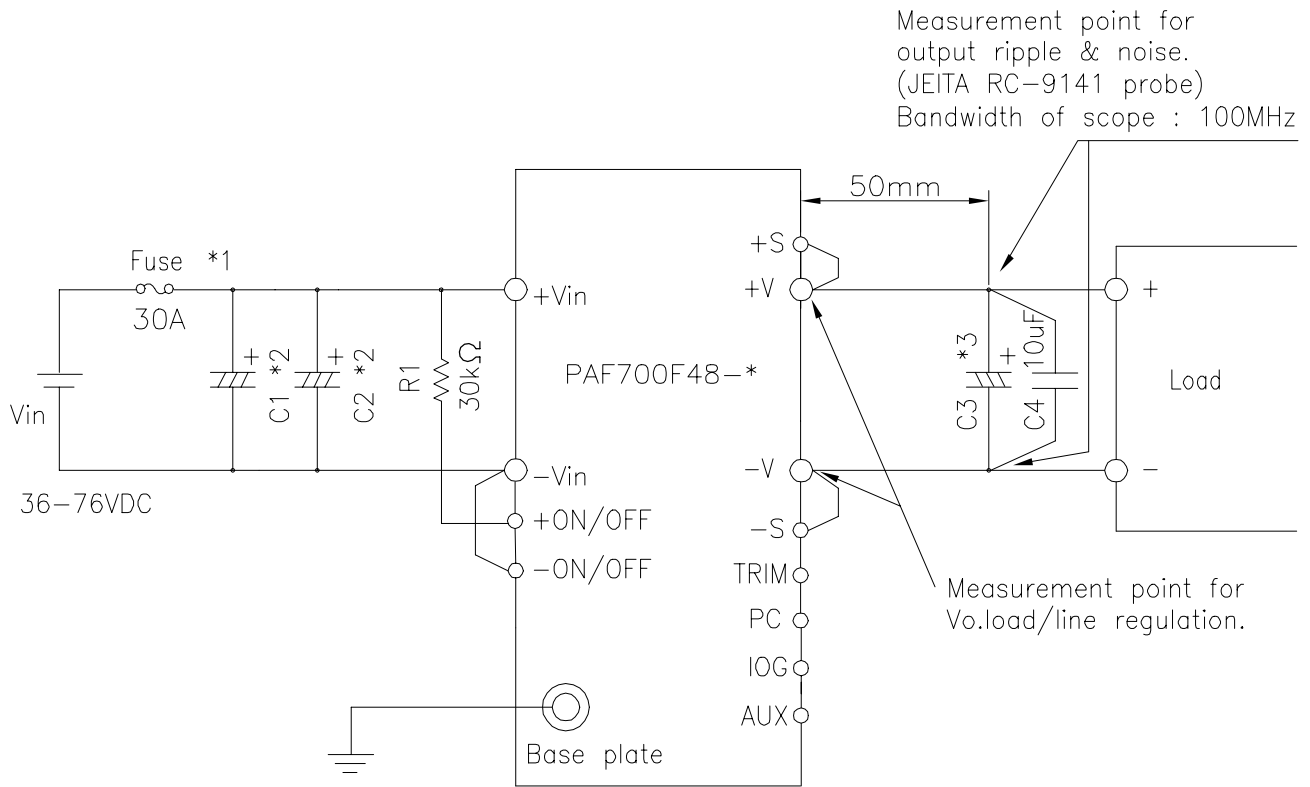
MODEL		PAF700F48-12	PAF700F48-28
ITEMS			
1	Nominal Output Voltage	V	28
2	Maximum Output Current	A	25
3	Nominal Output Power	W	700
4	Efficiency (Typ.)	(*1) %	90
5	Input Voltage Range	-	36 - 76VDC
6	Input Current (Typ.)	(*2) A	16.5
7	Output Voltage Accuracy	(*2) %	±1
8	Output Voltage Range	(*10) -	-40%, +15%
9	Maximum Ripple & Noise	(*10) mV	200
10	Maximum Line Regulation	(*3) mV	24
11	Maximum Load Regulation	(*4) mV	24
12	Over Current Protection	(*5) -	105% - 140%
13	Over Voltage Protection	(*6)(*9) -	120% - 135%
14	Remote Sensing	(*9) -	Possible
15	Remote ON/OFF Control	(*9) -	Possible (SHORT : ON OPEN : OFF)
16	Parallel Operation	(*9) -	Possible
17	Series Operation	(*9) -	Possible
18	I.O.G. Signal	(*9) -	Possible (Open Collector Output)
19	Operating Temperature	(*7) -	-40°C - +100°C(Baseplate) Ambient Temperature min=-40°C
20	Operating Humidity	-	20 - 95%RH (No Dewdrop)
21	Storage Temperature	-	-40°C - +100°C
22	Storage Humidity	-	10 - 95%RH (No Dewdrop)
23	Cooling	(*8) -	Conduction Cooled
24	Temperature Coefficient (%)	-	0.02%/°C
25	Withstand Voltage	-	Input-Baseplate : 1.5kVDC, Input-Output : 1.5kVDC for 1min. Output-Baseplate : 500VDC for 1min.
26	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output-Baseplate...500VDC
27	Vibration	-	At No Operating, 10-55Hz (Sweep for 1min.) Amplitude 0.825mm Constant (Maximum 49.0m/s <sup>2</sup> ) X,Y,Z 1 hour each
28	Shock	-	196.1m/s <sup>2</sup>
29	Weight (Typ.)	g	200
30	Size (W x H x D)	mm	61 x 12.7 x 116.8 (Refer to Outline Drawing)

## =NOTES=

- \*1. At 48VDC, 80% of Maximum Output Current and Baseplate Temperature = +25°C.
- \*2. At 48VDC and Maximum Output Current.
- \*3. 36 - 76VDC, Constant Load.
- \*4. No load - Full load, Constant input voltage.
- \*5. Constant current limiting with automatic recovery.
- \*6. Inverter shutdown method, Manual Reset.
- \*7. Ratings - Refer to Derating Curve on the Right.  
- Load(%) is Percent of Maximum Output Current.
- \*8. Heatsink has to be Chosen According to Instruction Manual.
- \*9. Refer to Instruction Manual.
- \*10 External Components are Needed for Operation.  
(Refer to Basic Connection and Instruction Manual)

## Derating Curve





==NOTE==

- \*1. Use external fuse of fast blow type, for each unit.
- \*2. Put input capacitor, C1 and C2, more than 220uF each.  
If the impedance of input line is high,  
C1 and C2 capacitance must be more than above.
- \*3. Put output capacitor, C3 (12V: more than 470uF,  
28V: more than 220uF.)  
If the ambient temperature is less than  $-20^{\circ}\text{C}$ ,  
use 4 pieces the recommended capacitor above.
- \*4. Refer to instruction manual for further details.

MODEL NAME	PAF700F48
<b>DENSEI-LAMBDA</b>	