

PH75F48

SPECIFICATION

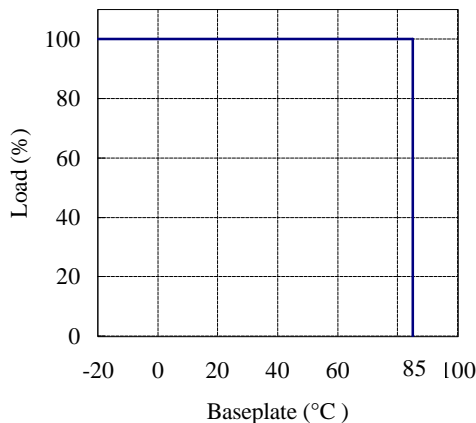
C081-01-01C

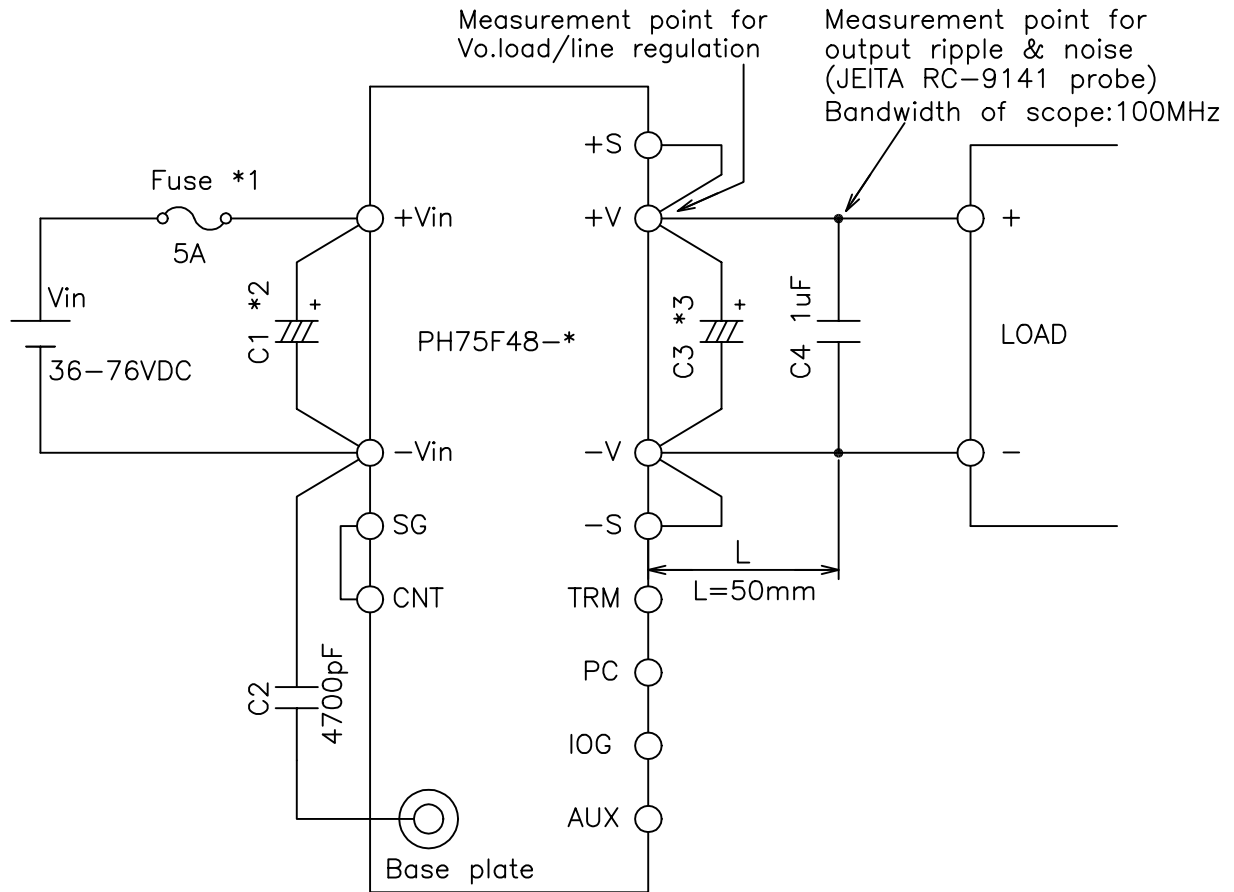
ITEMS		MODEL	PH75F	PH75F	PH75F	PH75F	PH75F	PH75F	PH75F
			48-2	48-3	48-5	48-12	48-15	48-24	48-28
1	Nominal Output Voltage	V	2	3	5	12	15	24	28
2	Maximum Output Current	A	15	15	15	6.3	5	3.2	2.7
3	Nominal Output Power	W	30	45	75	75.6	75	76.8	75.6
4	Efficiency (Typ.) (*1)	%	66	70	81	83	84	85	85
5	Input Voltage Range	-	36 - 76VDC						
6	Input Current (Typ.) (*1)	A	0.95	1.34	1.93	1.90	1.86	1.88	1.85
7	Output Voltage Accuracy (*1)	-	±1%						
8	Output Voltage Range (*10)	-	±20%		+20%, -60%				
9	Maximum Ripple & Noise (*9)	mV	100	100	100	150	150	240	280
10	Maximum Line Regulation (*2)	mV	20	20	20	48	60	96	112
11	Maximum Load Regulation (*3)	mV	40	40	40	96	120	192	224
12	Over Current Protection (*4)	-	105% - 140%						
13	Over Voltage Protection (*5)	-	165% - 240%		125% - 145%				
14	Remote Sensing (*8)	-	Possible						
15	Remote ON/OFF Control (*8)	-	Possible (SHORT:ON OPEN:OFF)						
16	Parallel Operation (*8)	-	Possible						
17	Series Operation (*8)	-	Possible						
18	I.O.G. Signal (*8)	-	Possible (Open Collector Output)						
19	Operating Temperature (*6)	-	-20°C - +85°C(Baseplate) Ambient Temperature min=-20°C						
20	Operating Humidity	-	30 - 95%RH (No Dewdrop)						
21	Storage Temperature	-	-40°C - +100°C						
22	Storage Humidity	-	10 - 95%RH (No Dewdrop)						
23	Cooling (*7)	-	Conduction Cooled						
24	Temperature Coefficient (%)	-	0.02%/°C						
25	Withstand Voltage	-	Input-Baseplate : 2.5kVAC, Input-Output : 3kVAC(20mA) 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 Amplitude (Sweep for 1min) 0.825mm Constant (Maximum 49.0m/s <sup>2</sup> ) X,Y,Z 1h each						
28	Shock	-	196.1m/s <sup>2</sup> (In package)						
29	Weight (Typ.)	g	150						
30	Size (WxHxD)	mm	62 x 12.7 x 86 (Refer to Outline Drawing)						

=NOTES=

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

**\*DERATING CURVE\***





==NOTE==

- \*1. Use an external fuse of fast blow type, for each unit.
- \*2. When the input line impedance is high, insert input capacitor,  $C1$ , more than 10 $\mu$ F. (Refer to instruction manual)
- \*3. Put an output capacitor. (2,3V: more than 1,000 $\mu$ F, 5V: more than 1,000 $\mu$ F, 12V: more than 220 $\mu$ F, 15V: more than 220 $\mu$ F, 24V: more than 120 $\mu$ F, 28V: more than 100 $\mu$ F)
- \*4. Refer to instruction manual for further details.

(unit : mm)	
MODEL NAME	PH75F48
<b>DENSEI-LAMBDA</b>	

C081-01-02D