

PH300F48

SPECIFICATION

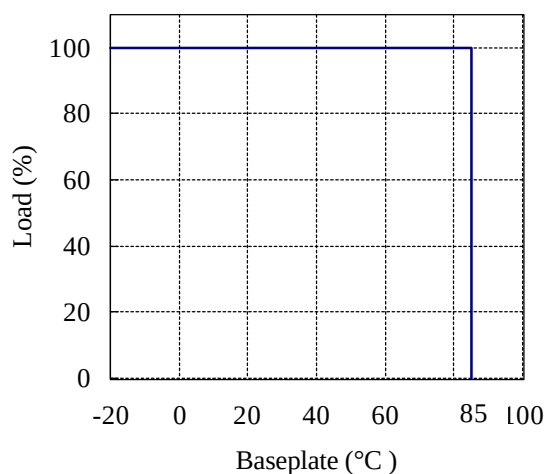
C076-01-01B

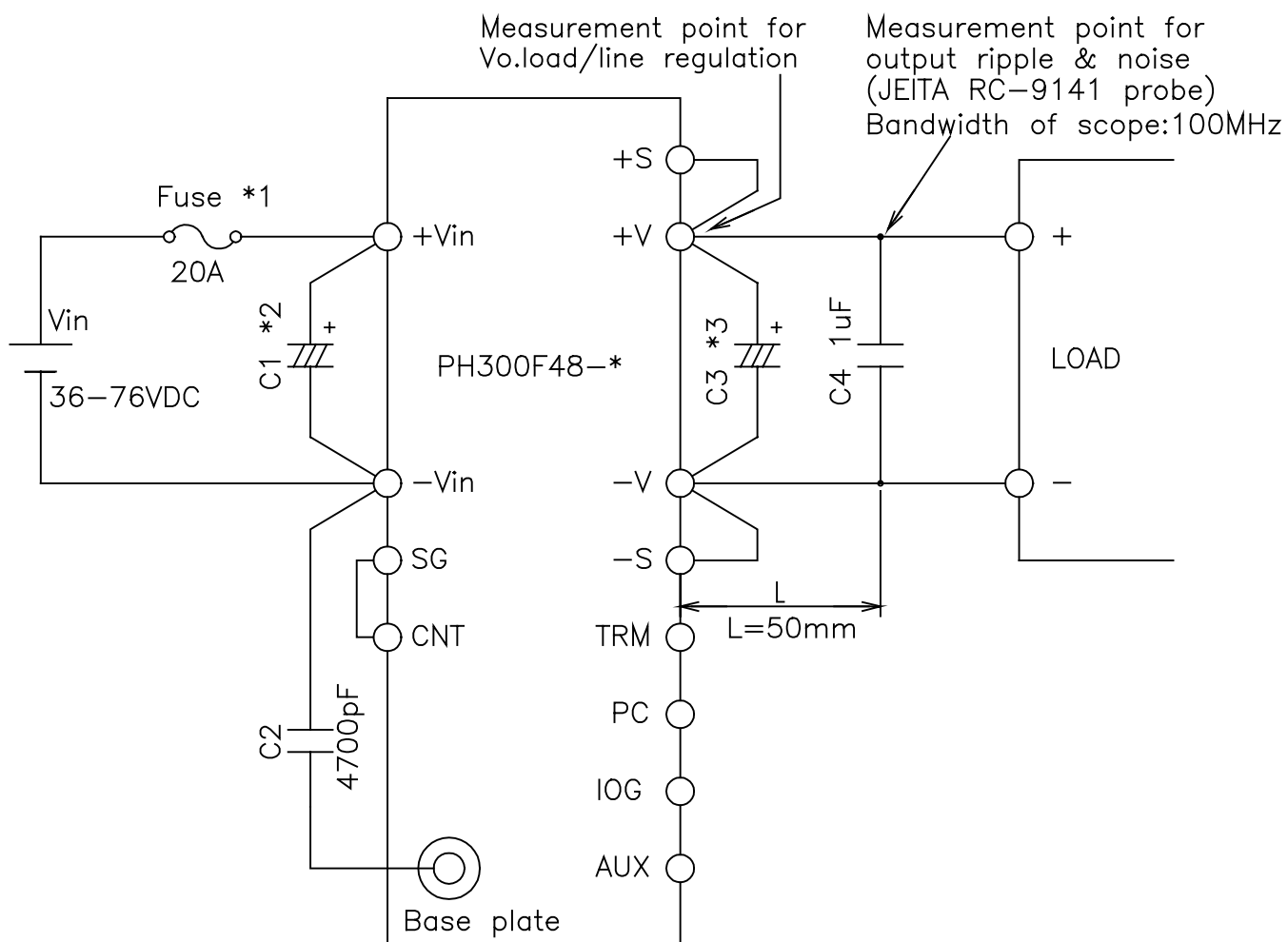
MODEL			PH300F	PH300F	PH300F	PH300F	PH300F	PH300F	PH300F
ITEMS			48-2	48-3	48-5	48-12	48-15	48-24	48-28
1	Nominal Output Voltage	V	2	3	5	12	15	24	28
2	Maximum Output Current	A	60	60	60	25	20	12.6	10.8
3	Nominal Output Power	W	120	180	300	300	300	302.4	302.4
4	Efficiency (Typ.) (*1)	%	68	73	82	85	86	89	90
5	Input Voltage Range	-	36 - 76VDC						
6	Input Current (Typ.) (*1)	A	3.68	5.14	7.62	7.35	7.26	7.16	7.00
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 - 85°C (Baseplate) Ambient Temperature MIN=20°C						
20	Operating Humidity	-	30 - 95%RH (No Dewdrop)						
21	Storage Temperature	-	-40°C - 85°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(100mA) 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 ²) X,Y,Z 1 h each						
28	Shock	-	196.1m/s ² (In package)						
29	Weight (Typ.)	-	250g						
30	Size (WxHxD)	mm	146 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 Capacitor is Required.(Refer to 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 470 μ F. (Refer to instruction manual)
- *3. Put an output capacitor. (2,3V: more than 4,700 μ F, 5V: more than 2,200 μ F, 12V: more than 1,000 μ F, 15V: more than 1,000 μ F, 24V: more than 560 μ F, 28V: more than 470 μ F)
- *4. Refer to instruction manual for further details.

(unit : mm)	
MODEL NAME	PH300F48
DENSEI-LAMBDA	

C076-01-02C