PH600S280

SPECIFICATIONS

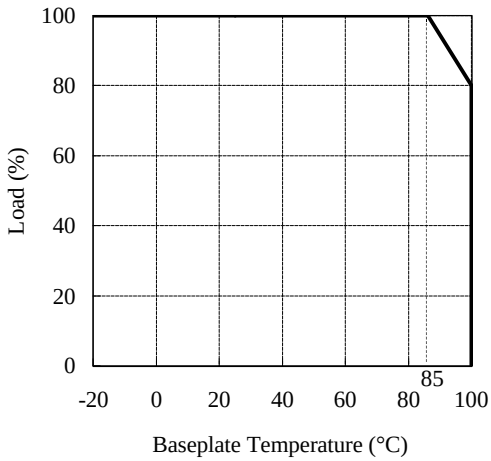
C114 - 01 - 01B

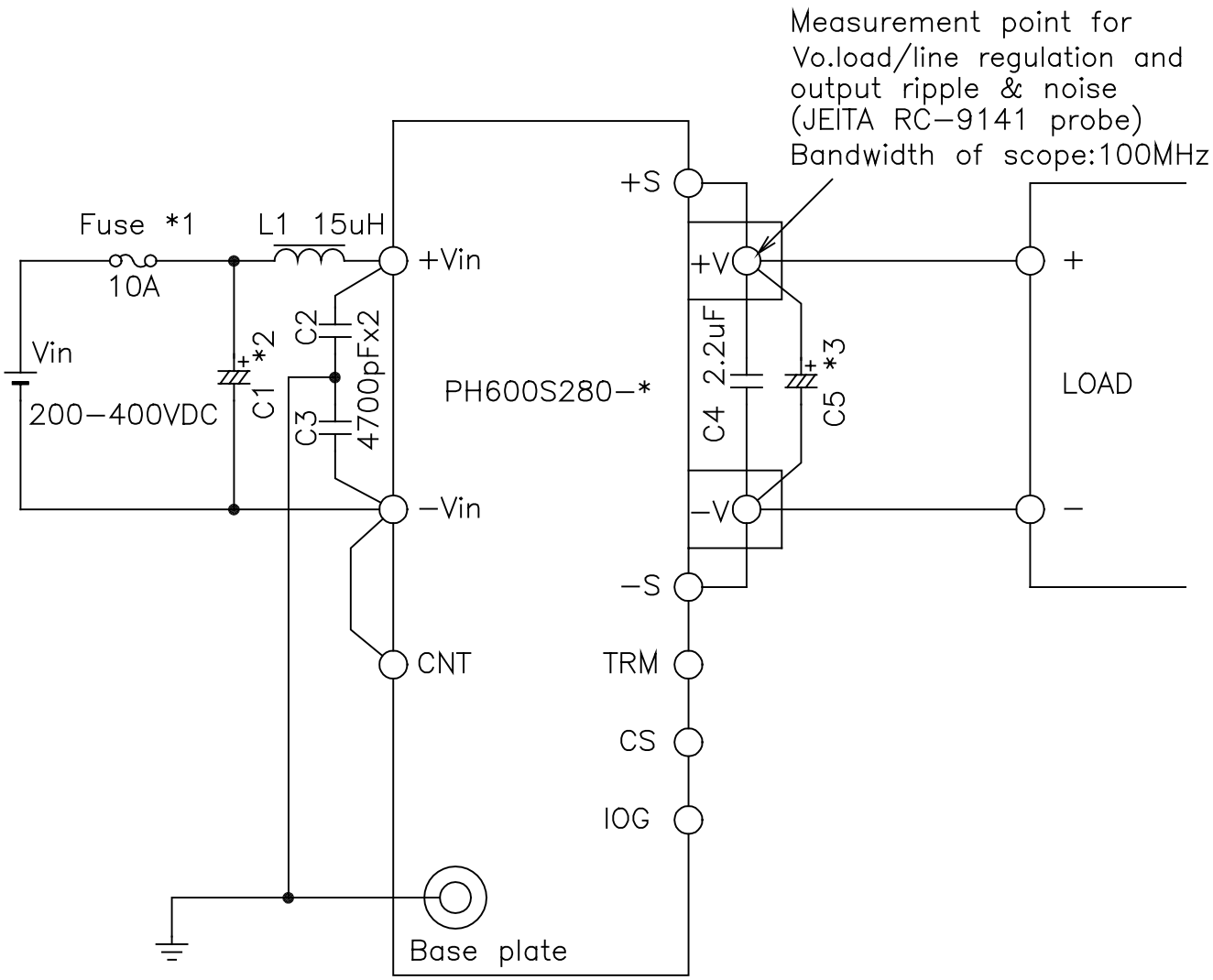
	ITEMS / MODEL			PH600S 280-3.3	PH600S 280-5	PH600S 280-12	PH600S 280-15	PH600S 280-24	PH600S 280-28	PH600S 280-48
1	Nominal Output Voltage		V	3.3	5	12	15	24	28	48
2	Maximum Output Current		A	100	100	50	40	25	21.5	12.5
3	Nominal Output Power		W	330	500	600	600	600	602	600
4	Efficiency (Typ.)	(*1)	%	80	84	88	88	88	88	88
5	Input Voltage Range		-	200 - 400VDC						
6	Input Current (Typ.)	(*1)	A	1.47	2.13	2.44	2.44	2.44	2.44	2.44
7	Output Voltage Accuracy	(*1)	%	±1						
8	Output Voltage Range	(*10)	%	+20,-10		±10				+20,-10
9	Maximum Ripple & Noise	0 ~ +100°C	mV	100	100	150	150	240	280	480
	(*9)	-20 ~ 0°C	mV	150	150	225	225	360	420	720
10	Maximum Line Regulation	(*2)	mV	20	20	48	60	96	112	192
11	Maximum Load Regulation	(*3)	mV	40	40	96	120	192	224	384
12	Over Current Protection	(*4)	%	105 - 150						
13	Over Voltage Protection	(*5)	%	140-170	125 - 145					
14	Remote Sensing	(*8)	-	Possible						
15	Remote ON/OFF Control	(*8)	-	Possible (SHORT:ON OPEN:OFF)						
16	Parallel Operation		-	Applicable with CS signal						
17	Series Operation	(*8)	-	Possible						
18	I.O.G. Signal	(*8)	-	Built-in (Open Collector Output)						
19	Operating Temperature	(*6)	- -	-20°C - +100°C(Baseplate) Ambient Temperature min=-20°C -20°C ~+85°C :100% , +100°C :80%						
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 (Sweep for 1min) Amplitude 0.825mm Constant (Maximum 49.0m/s^2) X,Y,Z 1h each						
28	Shock		-	196.1m/s^2						
29	Weight (Typ.)		g	400						
30	Size (W.H.D)		mm	146 x 12.7 x 86 (Refer to Outline Drawing)						

=NOTES=

*1. At 280VDC and Maximum Output Current.
(Baseplate Temperature = +25°C)
*2. 200 - 400VDC, Constant Load.
*3. No load - Full load, Constant input voltage.
*4. Constant current limiting with automatic recovery.
*5. Inverter shutdown method, Manual Reset with CNT signal.
*6. Ratings - Refer to Derating Curve on the Right.
- Load(%) is Percent of Maximum Output Current.
Baseplate : Refer to Instruction manual
*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 280VDC Input.(Refer to Instruction Manual.)
*11.External circuit is Needed for operation .
(Refer to Instruction Manual)

DERATING CURVE





==NOTE==

*1. Use an external fuse of fast blow type, for each unit.

*2. Put an input capacitor, C1, more than 22uF. (Refer to instruction manual)

*3. Put an output capacitor. (3.3V: more than 10,000uF, 5V: more than 4,700uF, 12V: more than 2,200uF, 15V: more than 2,200uF, 24V: more than 1,000uF, 28V: more than 820uF, 48V: more than 470uF)

*4. Refer to instruction manual for further details.

(unit : mm)

MODEL NAME	PH600F280
DENSEI-LAMBDA	

C114-01-02B