

SPECIFICATIONS

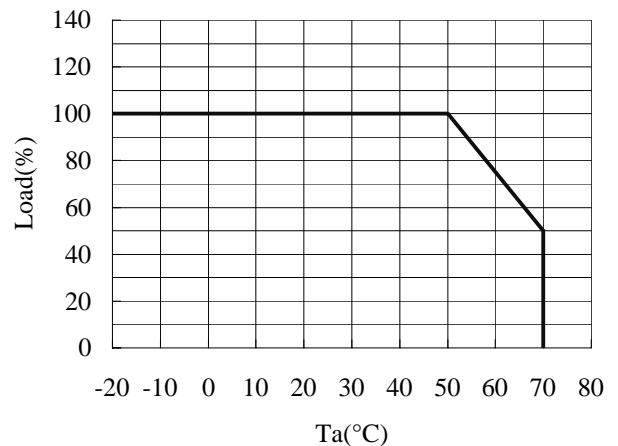
HZC144-01-01

MODEL			PV1R5-5-3.3	PV1R5-5-5	PV1R5-5-12
ITEMS					
1	Nominal Output Voltage	V	3.3	5	12
2	Maximum Output Current	A	0.4	0.3	0.125
3	Maximum Output Power	W	1.32	1.5	1.5
4	Efficiency (Typ) (*1)	%	71	77	80
5	Input Voltage Range	VDC	5 (4.5 - 9.0)		
6	Input Current (Typ) (*1)	A	0.37	0.39	0.38
7	Output Voltage Accuracy (*1)	%	±3		
8	Output Voltage Range (*2)	V	3.3 - 3.67	5 - 6	12 - 15
9	Maximum Ripple & Noise (*3)	mV	100	120	
10	Maximum Line Regulation (*4)	mV	20		
11	Maximum Load Regulation (*5)	mV	40		
12	Over Current Protection (*6)	-	Yes		
13	Over Voltage Protection	-	No		
14	Remote ON/OFF Control	-	No		
15	Parallel Operation	-	No		
16	Series Operation	-	No		
17	Operating Temperature (*7)	°C	-20 - +70		
18	Operating Humidity	%RH	30 - 90 (No dewdrop)		
19	Storage Temperature	°C	-30 - +85		
20	Storage Humidity	%RH	10 - 95 (No dewdrop)		
21	Cooling	-	Convection Cooled		
22	Temperature Coefficient	%/°C	0.02		
23	Withstand Voltage	-	Input - Output ... 500VAC 1min. (5mA)		
24	Isolation Resistance	-	More than 100Mohm at 25°C and 70% RH Input - Output ... 500VDC		
25	Vibration	-	At no operation, 10 - 55 - 10Hz (sweep for 1min.) amplitude 1.5mm constant (maximum 88.3m/s <sup>2</sup> X, Y, Z 2h each)		
26	Shock	m/s <sup>2</sup>	196.1		
27	Weight (Typ)	g	3		
28	Size (W x H x D)	mm	28.5 x 18 x 8.5 (Refer to Outline Drawing)		

= NOTES =

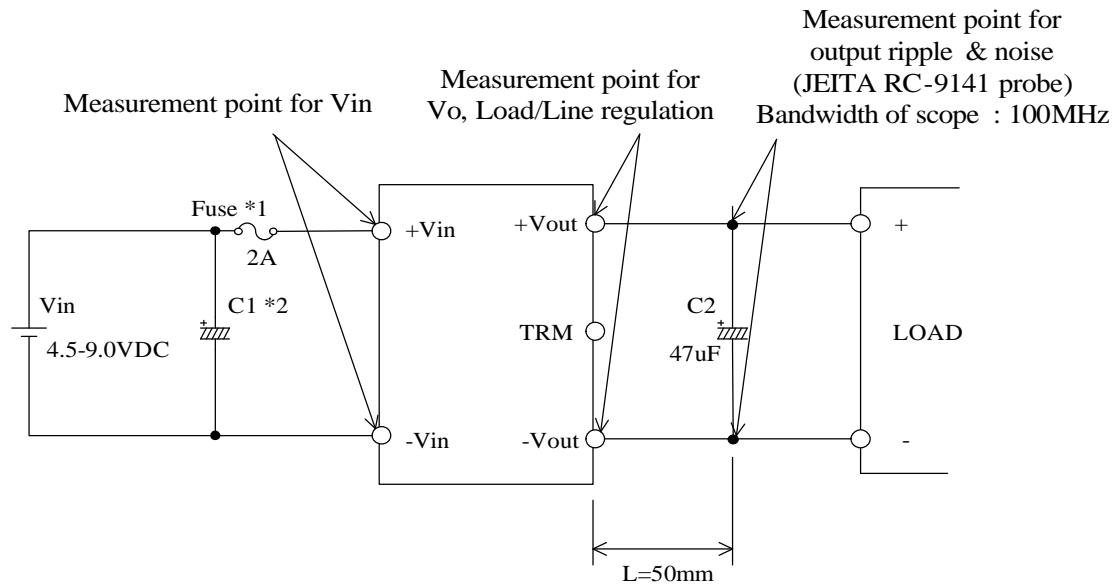
- \*1 : At 5VDC input and maximum output power.
- \*2 : Refer to instruction manual.
- \*3 : Measured with JEITA RC-9141 probe,  
Bandwidth of scope : 100MHz.
- \*4 : From 4.5 to 9VDC input and constant load.
- \*5 : From No load to Full load and constant input voltage.
- \*6 : Output current limiting with automatic recovery.  
Avoid the operation longer than 30sec. with over load.
- \*7 : Rating - Refer to derating curve on the right.  
- Load (%) is percentage of  
maximum output power.
- \*8 : External fuse use is recommended for the operation.

Output Derating Curve



## BASIC CONNECTION

HZC144-01-02



Value of  $I^2t$  (typ) 0.003 ( $A^2s$ )

## NOTE

\*1 : External fuse use is recommended for the operation.

\*2 : When the input line impedance is high, insert input capacitor C1 more than 150uF.  
(Refer to instruction manual.)

\*3 : Refer to instruction manual for further details.