PV3-24-5

SPECIFICATIONS

HZC150-01-01

	ITEMS / MODEL			PV3-24-5
1	Nominal Output Voltage		V	5
2	Maximum Output Current		A	0.6
3	Maximum Output Power		W	3.0
4	Efficiency (Typ)	(*1)	%	78
5	Input Voltage Range		VDC	24 (18 - 36)
6	Input Current (Typ)	(*1)	A	0.16
7	Output Voltage Accuracy	(*1)	%	±3
8	Output Voltage Range	(*2)	V	5 - 6
9	Maximum Ripple & Noise	(*3)	mV	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^2 X, Y, Z 2h each)
26	Shock		-	196.1m/s^2
27	Weight (Typ)		g	4
28	Size (W x H x D)		mm	33 x 18 x 8.5 (Refer to Outline Drawing)

= NOTES =

*1 : At 24VDC input and maximum output power.

*2 : Refer to instruction manual.

*3 : Measured with JEITA RC-9141 probe,
Bandwidth of scope : 100MHz.

*4 : From 18 to 36VDC input and constant load.

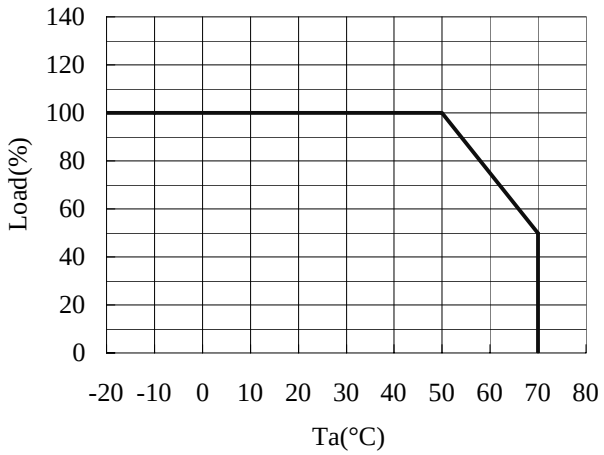
*5 : From No load to Full load and constant input voltage.

*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.

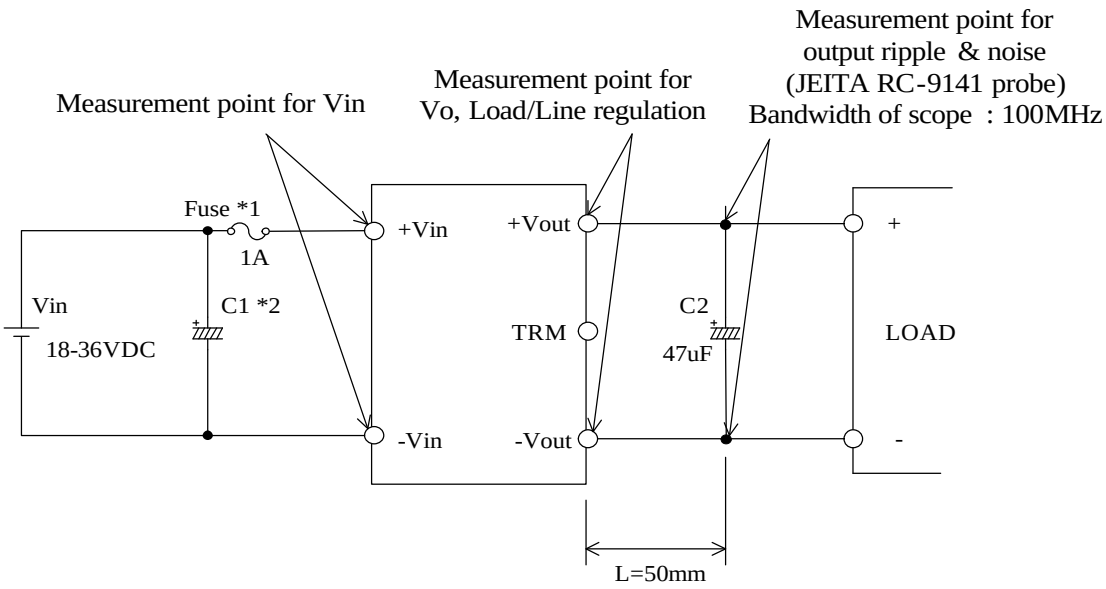
Output Derating Curve



PV3-24-*

BASICAL CONNECTION

HZC150-01-02



Value of I^2t (typ) 0.002 (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 22uF.
(Refer to instruction manual.)

*3 : Refer to instruction manual for furthuer details.