DRJ100/E

SPECIFICATIONS

A268-01-01/E-C

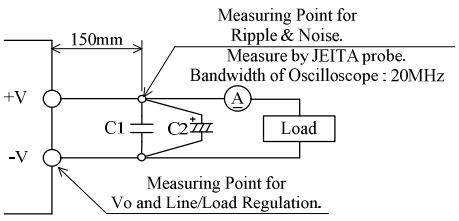
	ITEMS / MODEL			DRJ100-24-1/E
1	Nominal Output Voltage		V	24
2	Maximum Output Current		A	4.2
3	Maximum Output Power		W	100.8
4	Efficiency (Typ) (*1)	100VAC	%	88
		230VAC	%	90
5	Input Voltage Range	(*2)(*13)	-	85- 264VAC(47-63Hz) OR 120- 370VDC
6	Input Current (Typ)	(*1)(*13)	A	1.2/0.55
7	Inrush Current (Typ)	(*1)(*3)	-	14A at 100VAC, 33A at 230VAC, Ta=25°C, Cold Start
8	PFHC		-	Designed to meet IEC61000-3-2
9	Power Factor (Typ)	(*1)(*13)	-	0.97/0.92
10	Output Voltage Range		V	21.6 - 28.5
11	Maximum Ripple & Noise	0<Ta≤70°C	mV	240
		-20≤Ta≤0°C	mV	300
	(*4)	Io≤30%	mV	300
12	Maximum Line Regulation	(*4)(*5)	mV	120
13	Maximum Load Regulation	(*4)(*6)	mV	192
14	Temperature Coefficient		-	Less than 0.02% / °C
15	Over Current Protection	(*7)	A	4.4 -
16	Over Voltage Protection	(*8)	V	30.0 - 34.8
17	Hold-up Time (Typ)	(*9)	-	20ms
18	Leakage Current	(*10)	-	Less than 0.75mA
19	Remote Control		-	-
20	Parallel Operation		-	-
21	Series Operation		-	Possible
22	Operating Temperature	(*11)(*13)	-	-20 - +70°C (-20°C:50%, -10- +55°C:100%, +70°C:50%)
23	Operating Humidity		-	30 - 95%RH (No Condensing)
24	Storage Temperature		-	-40 - +85°C
25	Storage Humidity		-	10 - 95%RH (No Condensing)
26	Cooling		-	Convection Cooling
27	Withstand Voltage		-	Input - FG : 2kVAC (20mA), Input - Output : 3kVAC (20mA) Output - FG : 500VAC (50mA) for 1min
28	Isolation Resistance		-	More than 100MΩ at 25°C and 70%RH Output to FG : 500VDC
29	Vibration		-	At no operating, 10 - 55Hz (Sweep for 1min) 19.6m/s^2 Constant, X,Y,Z 1hour each.
30	Shock (In package)		-	Less than 294m/s^2
31	Safety		-	Approved by UL62368-1, CSA62368-1, EN62368-1,UL60950-1, CSA60950-1, EN60950-1(Expire date of 60950-1 : 20/12/2020), UL508,CSA C22.2 No.107.1. Designed to meet Den-an Appendix 8 at 100VAC only.
32	Line DIP		-	Designed to meet SEMI-F47 (200VAC Line only)
33	Conducted Emission	(*12)	-	Designed to meet EN55011/EN55032-B, FCC-ClassB, VCCI-B
34	Radiated Emission	(*12)	-	Designed to meet EN55011/EN55032-B, FCC-ClassB, VCCI-B
35	Immunity	(*12)	-	Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11
36	Weight (Typ)		g	320
37	Size (W x H x D)		mm	45 x 75 x 105 (Refer to Outline Drawing)

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

*1. At 100VAC/230VAC, Ta=25°C, nominal output voltage and maximum output power.
*2. For cases where conformance to various safety specs (UL, CSA) are required, to be described as 100 - 240VAC(50-60Hz).
*3. Not applicable for the in-rush current to Noise Filter for less than 0.2ms.
*4. Please refer to Fig. A for measurement of Vo, line & load regulation and ripple voltage.
*5. 85 - 264VAC, constant load.
*6. No load-Full load, constant input voltage.
*7. Hiccup with automatic recovery.
Avoid to operate at over load or short circuit condition.
*8. OVP circuit will shut down output, manual reset (Re power on).
*9. At 100VAC, Ta=25°C, nominal output voltage and 80% output power.
*10. Measured by the each measuring method of UL, CSA and Den-an(at 60Hz), Ta=25°C.
*11. Output Derating
- Derating at standard mounting. Refer to LOAD vs. AMBIENT TEMPERATURE (A268-01-02/E-_).
- Load (%) is percent of maximum output power or maximum output current, do not exceed its derating of maximum load.
*12. The power supply is considered a component which will be installed into a final equipment.
The final equipment should be re-evaluated that it meets EMC directives.
*13. Output derating needed when input voltage less than 90VAC. Refer to LOAD vs. INPUT VOLTAGE (A268-01-02/E-_).

Fig.A



C1 : Film Cap. 0.1μF
C2 : Elect. Cap. 100μF

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DRJ100/E

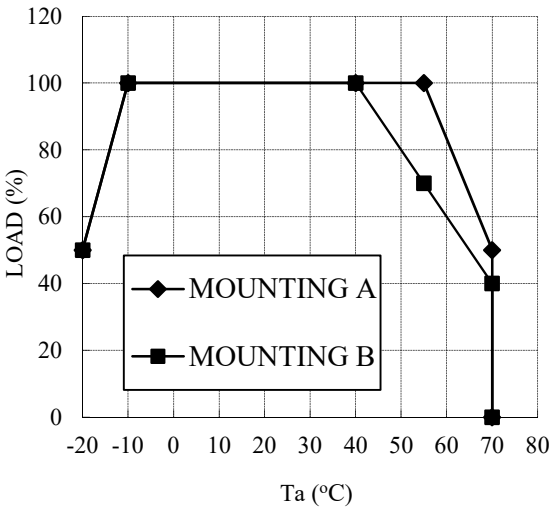
OUTPUT DERATING

A268-01-02/E-A

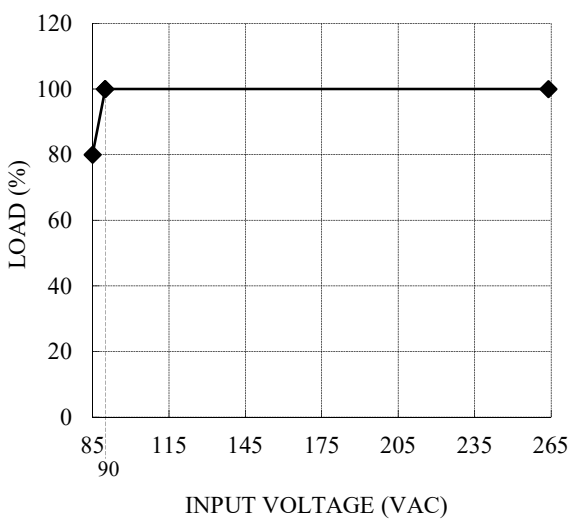
Ta (°C)	LOAD (%)	
	MOUNTING A	MOUNTING B
-20	50	50
-10 - +40	100	100
55	100	70
70	50	50

INPUT VOLTAGE (VAC)	LOAD (%)
	MOUNTING A,B
85	80
90 - 264	100

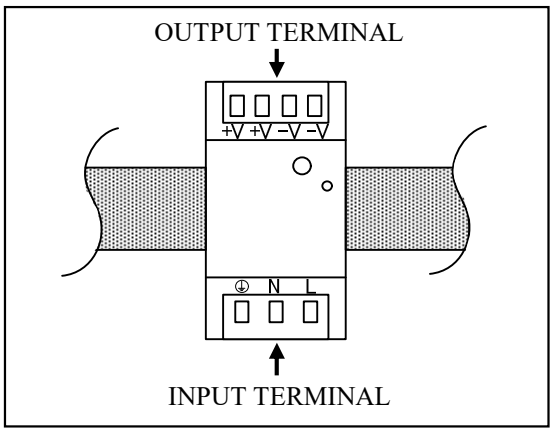
LOAD vs. AMBIENT TEMPERATURE



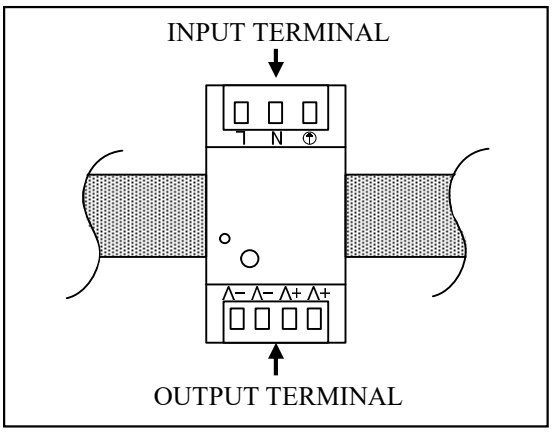
LOAD vs. INPUT VOLTAGE



MOUNTING A
(STANDARD MOUNTING)



MOUNTING B



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