DLP240-24-1 SPECIFICATIONS

CA736-01-01E

This specifications sheet also apply to option model /E,/EJ

	ITEMS / MODEL			DLP240-24-1
1	Nominal Output Voltage		V	24
2	Maximum Output Current		A	10
3	Maximum Output Power		W	240
4	Efficiency (100/230VAC) (Typ) (* 1)		%	82/86
5	Input Voltage Range (* 2)		–	85 ~ 265VAC (47-63Hz) or 120 ~ 370VDC
6	Input Current (100/230VAC) (Typ) (* 1)		A	3.0/1.3
7	Inrush Current (100/230VAC) (Typ) (* 3)		–	20A at 100VAC, 45A at 230VAC, Ta=25°C, Cold Start
8	PFHC		–	Built to meet IEC61000-3-2
9	Power Factor (Typ) (* 1)		–	0.99 / 0.95
10	Output Voltage Range		V	21.6~28
11	Maximum Ripple & Noise (* 4)	0≤Ta≤60°C	mV	240
		-10≤Ta<0°C	mV	360
12	Maximum Line Regulation (* 4, 5)		mV	120
13	Maximum Load Regulation (* 4, 6)		mV	192
14	Temperature Coefficient		–	Less than 0.05%/°C
15	Over Current Protection (* 7)		A	10.5~
16	Over Voltage Protection (* 8)		V	30.0~35.0
17	Hold-Up Time (100/230VAC) (* 1)		–	20ms /30ms
18	Leakage current (* 9)		–	Less than 0.75mA
19	Parallel Operation		–	-
20	Series Operation		–	Possible
21	Operating Temperature (* 10)		–	85VAC~170VAC :- 10 ~ + 60 °C , Convection: -10 ~ +50°C (100%); 60°C (60%) 170VAC~265VAC :- 10 ~ + 70 °C , Convection: -10 ~ +55°C (100%); 70°C (60%)
22	Operating Humidity		–	30 ~ 90 %RH (No dewdrop)
23	Storage Temperature		–	- 30 ~ +85°C
24	Storage Humidity		–	10 ~ 95%RH (No dewdrop)
25	Cooling		–	Convection cooling
26	Withstand Voltage		–	Input - Output : 3.0kVAC, Input - FG : 2.0kVAC (20mA) for 1min Output - FG : 500VAC (100mA) for 1min.
27	Isolation Resistance		–	More than 100M Ω at Ta=25°C and 70%RH, Output - FG : 500VDC
28	Vibration		–	At no operating and with DIN RAIL 10~55Hz(Sweep for 1min) 9.8m/s^2 Constant, X, Y, Z each 1hour
29	Shock (In package)		–	Less than 196m/s^2
30	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.14, EN60529 IP20, EN50178 CATEGORY III(Primary), Designed to meet DENAN
31	EMI		–	Designed to meet VCCI-B, FCC-ClassB, EN55011/EN55032-B
32	Immunity		–	Built to meet IEC61000-6-2 (IEC61000-4-2,-3,-4,-5,-6,-8,-11)
33	Weight (Typ)		g	1000
34	Size (W.H.D.)		mm	120x97x110 (Refer to Outline Drawing)

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

= NOTES=

* 1 : At 100/230VAC and maximum output power, Ta = 25°C.
* 2 : For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100 - 240VAC, 50 / 60Hz on name plate.
* 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 line & load regulation and output ripple voltage. (Measure with JEITA RC-9131 probe)
* 5 : 85 - 265VAC, constant load.
* 6 : No load - Full load(Maximum power), constant input voltage.
* 7 : Constant current limit with automatic recovery. Avoid to operate at overload or dead short for more than 30seconds.
* 8 : OVP circuit will shutdown output, manual reset. (Re power on)
* 9 : Measured by each measuring method of UL, CSA, EN and DENAN (at 60Hz).
*10: At standard mounting method, Fig B.
  - Load(%) is percent of maximum output load (Item2 and 3), do not exceed derating in both Maximum Output Current and Power.
  -For standard mounting, refer to derating curve (CA736-01-02_)

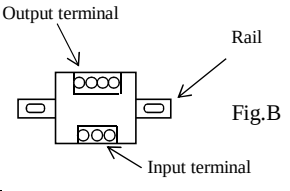


Fig.B

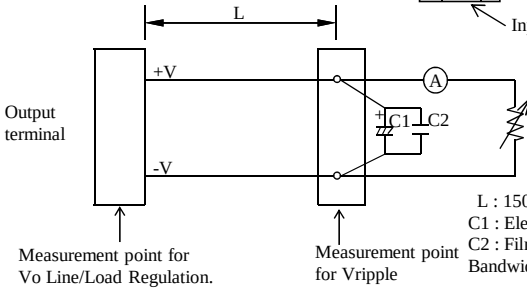


Fig. A

L : 150mm
C1 : Elec. Cap 100uF
C2 : Film Cap 0.1uF
Bandwidth of scope : 100MHz

DLP240-24-1 OUTPUT DERATING

CA736-01-02

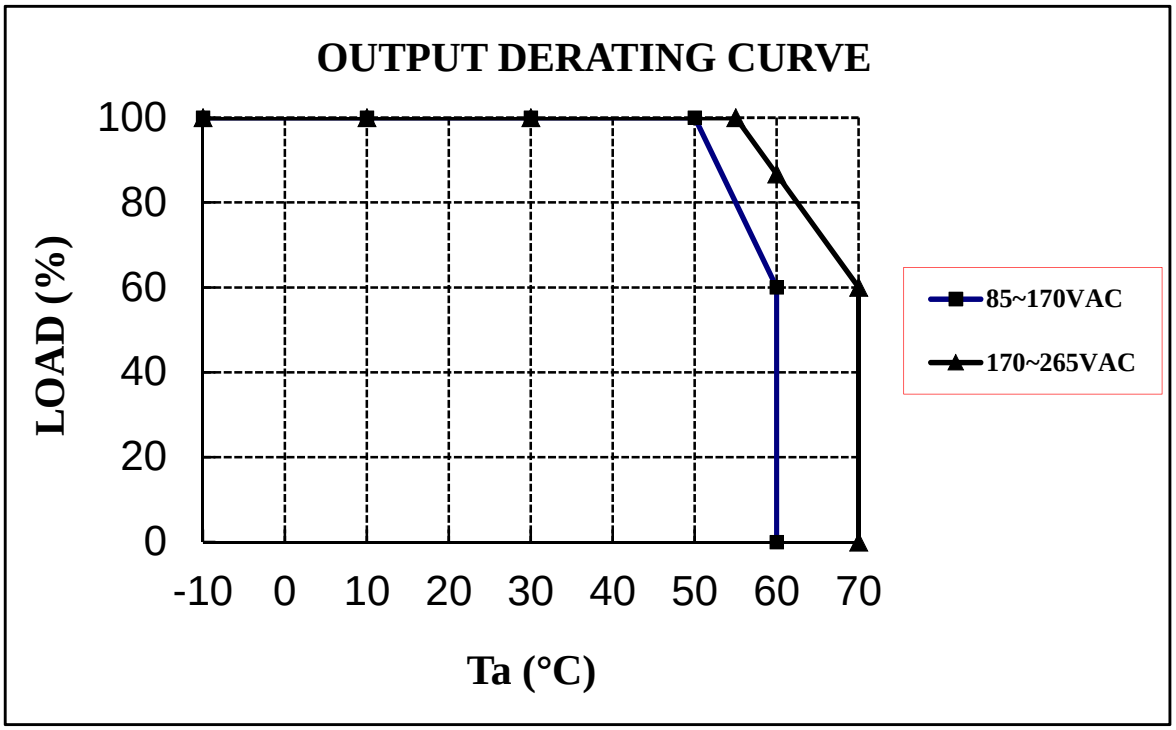
(This specifications sheet also apply to option model /E,/EJ)

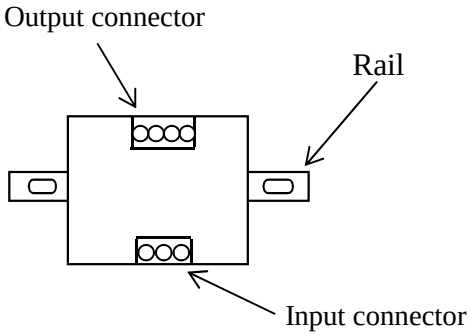
DLP240-1

***COOLING: CONVECTION COOLING**

MOUNTING: STANDARD MOUNTING

Ta(°C)	LOADING CONDITION(%)	
	85VAC~170VAC	170VAC~265VAC
-10~50	100	100
55	80	100
60	60	86.7
70	---	60





STANDARD MOUNTING