DLP100-24-1 SPECIFICATIONS

CA734-01-01/2

This specifications sheet also apply to option model /EJ

	ITEMS / MODE			DLP100-24-1
1	Nominal Output Voltage		V	24
2	Maximum Output Current		A	4.1
3	Maximum Output Power		W	98.4
4	Efficiency (100/230VAC) (Typ)	(* 1)	%	83
5	Input Voltage Range	(* 2)	−	85~132/170~265VAC (Auto selectable) / 47~63Hz
6	Input Current (100/230VAC) (Typ)	(* 1)	A	2.5/1.4
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	Output Voltage Range		V	21.6~28
10	Maximum Ripple & Noise (* 4)	0≤Ta≤60°C	mV	240
		-10≤Ta<0°C	mV	360
11	Maximum Line Regulation	(* 4, 5)	mV	120
12	Maximum Load Regulation	(* 4, 6)	mV	192
13	Temperature Coefficient		−	Less than 0.05%/°C
14	Over Current Protection	(* 7)	A	4.3~
15	Over Voltage Protection	(* 8)	V	30.0~35.0
16	Hold-Up Time (100/230VAC)	(* 1)	−	20ms /30ms
17	Leakage current	(* 9)	−	Less than 0.75mA
18	Parallel Operation		−	-
19	Series Operation		−	Possible
20	Operating Temperature	(* 10)	−	- 10 ~ + 60 °C Convection: -10 ~ +50°C (100%); 60°C (70%)
21	Operating Humidity		−	30 ~ 90 %RH (No dewdrop)
22	Storage Temperature		−	- 30 ~ +85°C
23	Storage Humidity		−	10 ~ 95%RH (No dewdrop)
24	Cooling		−	Convection cooling
25	Withstand Voltage		−	Input - Output : 3.0kVAC, Input - FG : 2.0kVAC (20mA) for 1min Output - FG : 500VAC (100mA) for 1min.
26	Isolation Resistance		−	More than 100M Ω at Ta=25°C and 70%RH, Output - FG : 500VDC
27	Vibration		−	At no operating and with DIN RAIL, 10~55Hz (Sweep for 1min) 9.8m/s^2 Constant, X, Y, Z each 1hour
28	Shock (In package)		−	Less than 196m/s^2
29	Safety		−	Approved by UL60950, CSA60950, EN60950, UL508, CSA C22.2 No.14, EN50178 CATEGORY III(Primary). Built to meet DENAN. Class 2 power supply approved by UL508&NFPA725.41
30	EMI		−	Built to meet VCCI-B, FCC-ClassB, EN55011/EN55022-B
31	Immunity		−	Built to meet IEC61000-6-2 (IEC61000-4-2,-3,-4,-5,-6,-8,-11)
32	Weight (Typ)		g	540
33	Size (W.H.D.)		mm	60x97x110 (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 100-120VAC/200-240VAC, 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 : 85-132VAC/170-265VAC, 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 (CA734-01-02/2_)

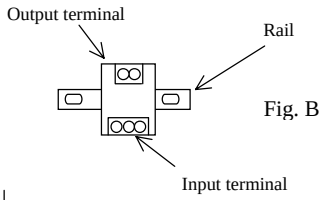
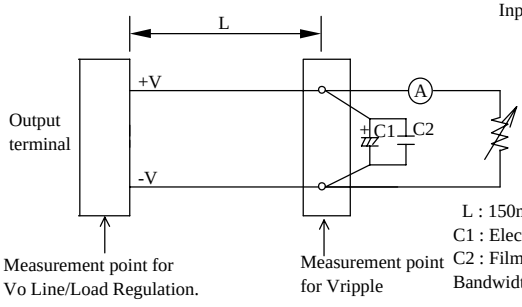


Fig. B



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

Fig. A

DLP100-24-1 OUTPUT DERATING

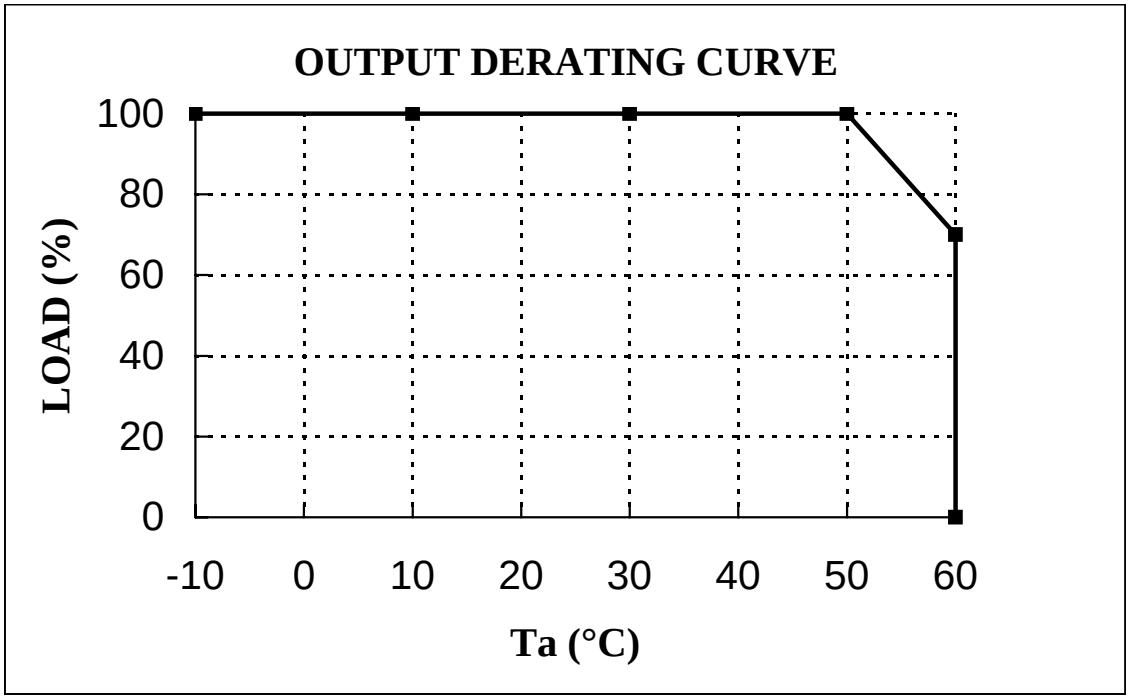
CA734-01-02/2

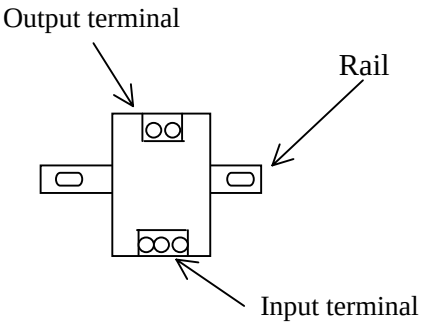
(This specifications sheet also apply to option model /EJ)

DLP100-24-1

***COOLING: CONVECTION COOLING**

Ta(°C)	LOADING CONDITION(%)
	Standard Mounting
-10~50	100
60	70





STANDARD MOUNTING