DLP180-24-1 SPECIFICATIONS

CA735-01-01B

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

	ITEMS / MODE			DLP180-24-1
1	Nominal Output Voltage		V	24
2	Maximum Output Current		A	7.5
3	Maximum Output Power		W	180
4	Efficiency (100/230VAC) (Typ) (* 1)		%	84/87
5	Input Voltage Range (* 2)		−	85 ~ 265VAC (47-63Hz) or 120 ~ 370VDC
6	Input Current (100/230VAC) (Typ) (* 1)		A	2.3/1.0
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	7.9~
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)		−	- 10 ~ + 60 °C Convection: -10 ~ +50°C (100%); 60°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 100MΩ 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 UL60950,CSA60950, EN60950, UL508, CSA C22.2 No14, EN60529 IP20, EN50178 CATEGORY III(Primary), Built to meet DENAN
31	EMI		−	Built to meet VCCI-B, FCC-ClassB, EN55011/EN55022-B
32	Immunity		−	Built to meet IEC61000-6-2 (IEC61000-4-2,-3,-4,-5,-6,-8,-11)
33	Weight (Typ)		g	780
34	Size (W.H.D.)		mm	80x97x110 (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 (CA735-01-02_)

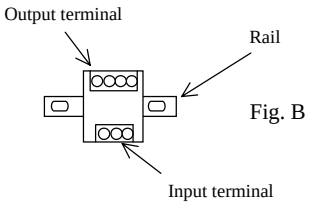


Fig. B

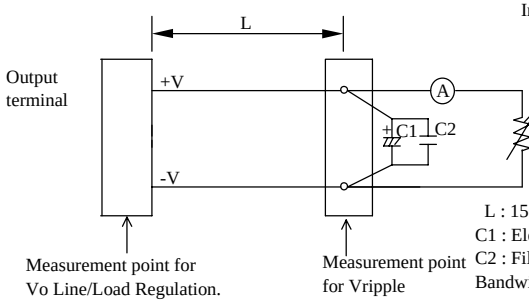


Fig. A

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

DLP180-24-1 OUTPUT DERATING

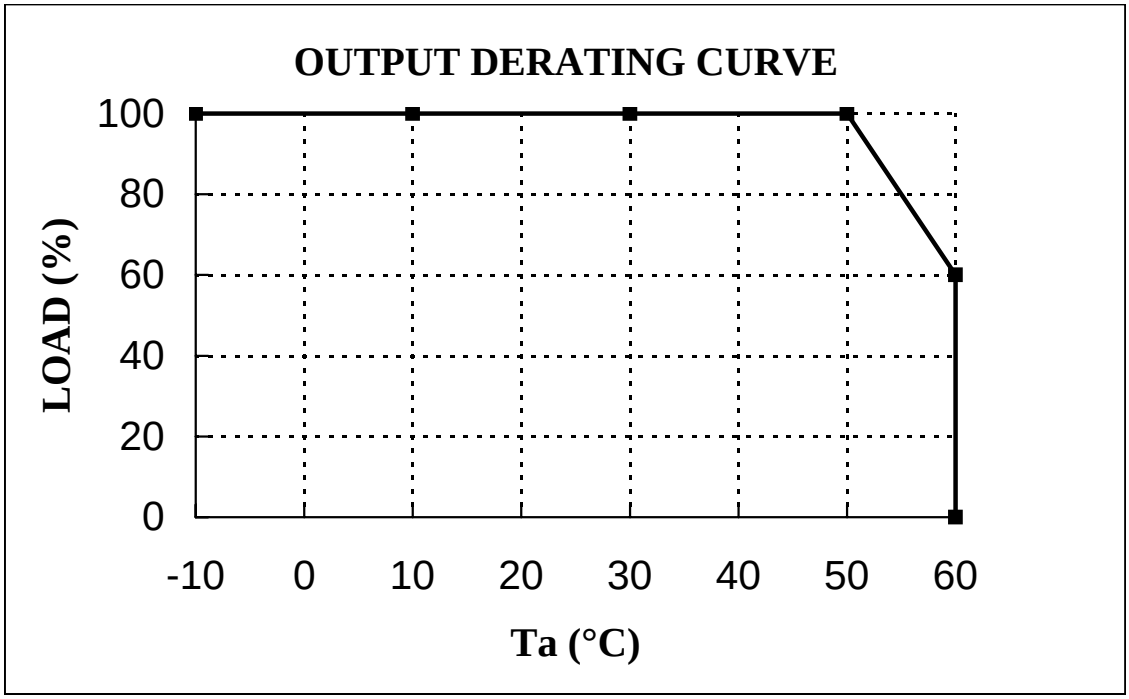
CA735-01-02

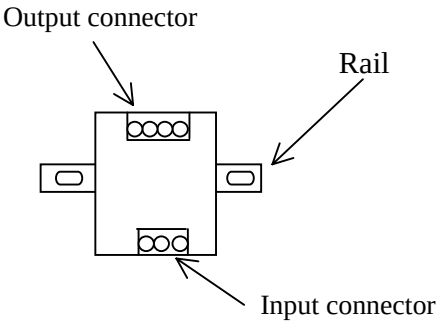
(This specifications sheet also apply to option model /E,/EJ)

DLP180-24-1

***COOLING: CONVECTION COOLING**

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





STANDARD MOUNTING