

DLP240-24-1 SPECIFICATIONS

CA736-01-01B

This specifications sheet also apply to option model /E_/EJ

ITEMS		MODE	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 ~ +50°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 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	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

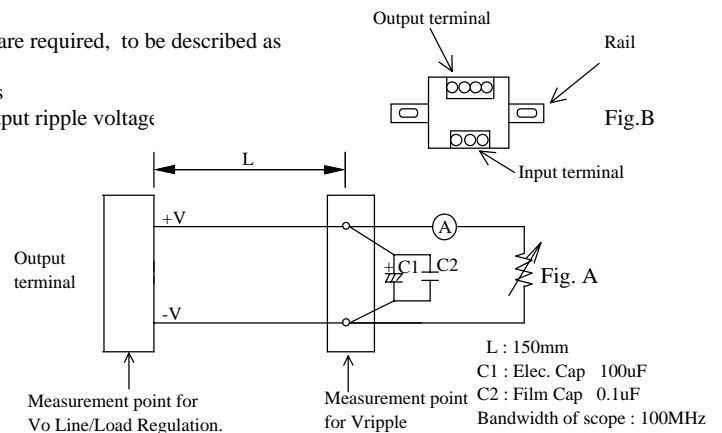
* 8 : OVP circuit will shutdown output, manual reset. (Re power on)

* 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_)



DLP240-24-1 OUTPUT DERATING

CA736-01-02

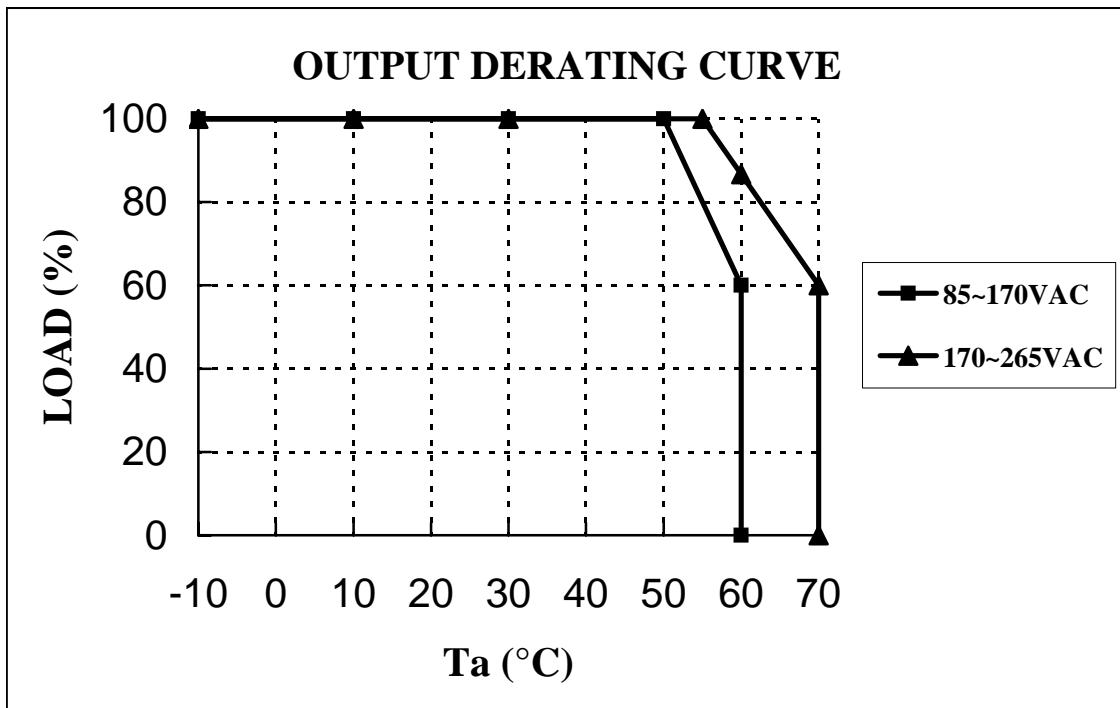
(This specifications sheet also apply to option model /E,/EJ)

DLP240-24-1

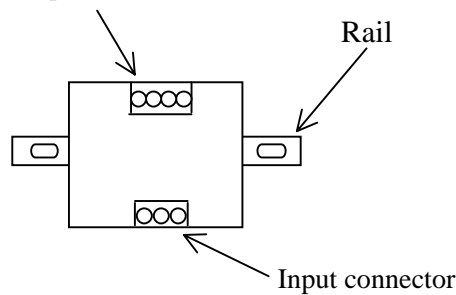
*COOLING: CONVECTION COOLING

MOUNTING: STANDARD MOUNTING

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



Output connector



STANDARD MOUNTING

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [tdk-lambda](#) manufacturer:

Other Similar products are found below :

[CSS500-57/S](#) [CUS200M18](#) [FPST1U](#) [PH150S110-15](#) [PH300S280-3.3](#) [PH50A280-48](#) [PH75A280-5](#) [PV1R5-12-5](#) [PV1R5-5-12](#) [PXA15-24WS3P3NT](#) [PXB15-24D05/N](#) [PXB15-48S12/NT](#) [PXB15-48WD15/N](#) [PXCM1048WD15A](#) [PXD1024WS15](#) [PXD1524D12](#) [PXD1524D15](#) [PXD1524S05](#) [PXD1524S12](#) [PXD1548D12](#) [PXD2024S3P3](#) [PXE2024WS12](#) [PXF4012D12](#) [PXF4024WD12](#) [PXF4048S05](#) [PXF4048T0515](#) [PXF4048WS15](#) [PXF6048S05](#) [GWS500-48](#) [HFE2500-S1U-TB](#) [DRJ30-12-1](#) [DRJ50-12-1](#) [DT100PW120C](#) [DT150PW480C](#) [DTM165PW150C](#) [1500-FAN-01](#) [MWS6515](#) [NL200](#) [HWS1000-12](#) [HWS1000-24](#) [HWS1000-48](#) [HWS1000-60](#) [HWS100A-24/A](#) [HWS100A-24/ADIN](#) [HWS100A3HD](#) [HWS100A48HD](#) [HWS100A-5](#) [HWS150036ME](#) [HWS150-12/ME](#) [HWS150A48HD](#)