

بسمه تعالی



تهیه شده در آزمایشگاه پاورستان

Brand: LT		Model: LT-M-1210	Date: 1402/ 07/25
Input: 110/ 220V ±15%		Output: 12V-10A	Operator: Sima Farzanehfard
No	Test Item	Test Condition	Result
1	Body Dimensions		L= 19.7 cm W= 9.7 cm H= 4 cm
2	Weight		432 gr
3	Output Voltage Adjust Range	I/P : 230 VAC O/P : Min Load Ta : 25°C	Max: 15.03 v min: 9.77 v Set on: 12.10 v
4	Acceptable Range of Input Voltage	I/P : 230 VAC I/P : 115 VAC I/P : 230 VAC/ In DC Mode I/P : 115 VAC/ In DC Mode	(176 Vac, 260 Vac) (90 Vac, 130 Vac) (209 Vdc, 364) -
5	Line Regulation (Max)	I/P: 230VAC O/P: FULL LOAD Ta: 25°C	11.94/11.94= 0%
6	Load Regulation (Max)	I/P: 230VAC O/P: FULL ~MIN LOAD Ta: 25°C	11.94/ 11.94= 0%
7	Ripple & Noise	I/P: 230VAC O/P: FULL LOAD & NO LOAD Ta: 25°C	No Load: 3.4*20mv= 68mv Full Load: 2.4*50mv= 120mv
8	Current Breaker	I/P: 230VAC O/P: FULL LOAD Ta: 25°C	12.93 A (CP)
9	Output Power (RMS)	I/P: 230VAC O/P: FULL LOAD Ta: 25°C	12.68 A* 11.93 V= 151.27 W

10	Difference of Body Temperature with Ambient Temperature	I/P: 230VAC O/P: FULL LOAD Ta: 25°C	Ta= 23 °C Tb (Bottom) = 47 °C
11	Temperature Breaker (Temperature Protection in Full Power)	I/P: 230VAC O/P: FULL LOAD Ta: 25°C	-
12	Type of Protections		OV-OC-SC
13	Topology		HALF BRIDGE
14	Output Capacitor Capacity		5*1000 uF= 5000 uF 25 v
15	Output Inductor Capacity		14.5 uH
16	Output Inductor Core Type		1*Green-blue toroid (D= 27 mm)
17	EMI Inductor Capacity		32.8 uH
18	Transformer Size		ETD39/20/13
19	Switching Frequency		F=27.77 KHz
20	Link Capacitor Capacity		220 uF/2 =110 uF 250 v
21	Brand & Output Capacitor Quality		United
22	Brand & Link Capacitor Quality		Yungli
23	Brand/ Model & MOSFET Quality		D13009
24	Brand/ Model & Diodes Quality		OCENME MBR20100FCT
25	Brand & Cooling Fan Quality		-