

TECHNICAL DATA SHEET : LED DRIVER CONSTANTCURRENT

Model No : HR0450MA070PLX1



IS 15885(Part2/Sec13):2012



PRODUCT DESCRIPTION

- Fixed output build in LED Driver.
- Constant Current LED Driver.
- Output Current 450mA .
- Max Output Power 30W.
- Nominal Life-Time Upto 30,000 hr
- 3-Year Warranty.
- High Voltage withstanding capacity 440V.
- CE (Certified).
- IS 15885 (Part 2/Sec 13).
- IS 16104.
- IEC 60950-1.
- IEC 61000-4-5.



Input Characteristics

1	Voltage (Un)	240 Vac
2	Operating Voltage Range	100 ~300 Vac
3	Frequency (Hz)	50 / 60 Hz
4	Maximum Input Current	0.14A
5	Input Power (W)	35W
6	Power Factor (PF)	> 0.98
7	Inrush current Protection	Yes
8	Current Harmonics (Athd)	< 10%
9	Surge Withstanding Capacity	4KV
10	Over Voltage Cutoff	320V (Tole - +/-10V)
11	Automatic Restart	300V
12	Driver Life	>30000Hrs

Output Characteristics

Output short circuit protection and Restart	Yes
Over Current Protection	Yes
Thermal Protection	Yes
No-Load Protection	Yes
Max Output Current	450mA (Tole - +/-3%)
Output Voltage	50-70V
Output Power (W)	30W max
Efficiency	88%

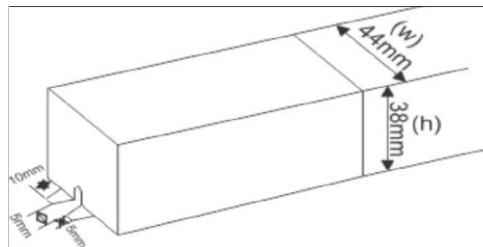
Environmental Operating Details

1	Minimum Starting Temperature	-30°C ... 85°C
2	Max. Ambient Temperature	-30°C ... to 50°C
3	Max. Case temperature (Tc)	85°C

Key Features

- Compact Design
- High Voltage withstanding capacity
- High Surge withstanding capacity
- Long Life
- High Durability
- Automatic Restart after Safe Voltage Mode.

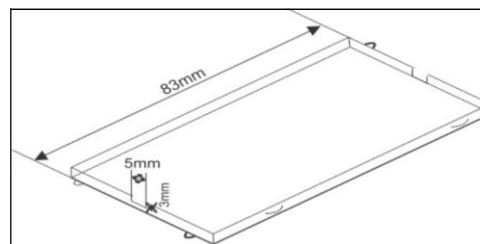
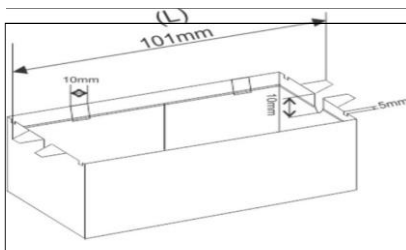
TOP



Mechanical Details

1	Weight	60 gm
2	Case Dimensions	
	Length W/Mount	101mm
	Center to Center (CTC)	83mm
	Width	44mm
	Height	38mm
3	Case Material	PC
4	Wiring Diagram	On Screen
5	Input / Output Terminals	Connector(WIRES)
6	Wires Length & Colors	300MM
	Input (WHITE)	Yes
	Output (Red & Black)	Yes
7	Potting	Yes IP-67 & IP-20

BOTTOM



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