



TECHNICAL DATA SHEET : LED DRIVER CONSTANT CURRENT

Model No : HR0500MA100VBMS



PRODUCT DESCRIPTION

- Fixed output build in LED Driver.
- Constant Current LED Driver.
- Output Current 500 mA .
- Max Output Power 50 W.
- Nominal Life-Time Upto 30,000 hr.
- 3-Year Warranty.
- High Voltage withstanding capacity 440V.



Input Characteristics

1	Voltage (Un)	240 Vac
2	Operating Voltage Range	100 ~300 Vac
3	Frequency (Hz)	50 / 60 Hz
4	Maximum Input Current	0.23 A
5	Input Power (W)	56 W
6	Power Factor (PF)	> 0.99
7	Inrush current Protection	Yes
8	Current Harmonics (Athd)	< 10%
9	Surge Withstanding Capacity	4 KV
10	Over Voltage Cutoff	320V (Tole : +/- 10V)
11	Automatic Restart	310V
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	500 mA (Tole : +/-3%)
Output Voltage	100 V
Output Power (W)	50 W max
Efficiency	89%

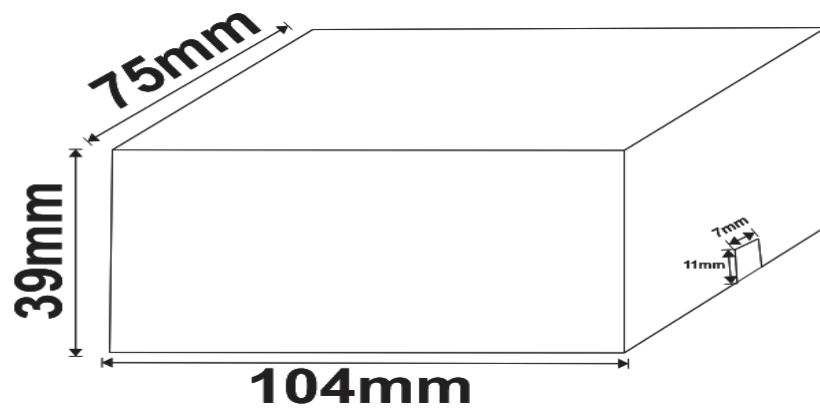
Environmental Operating Details

1	Minimum Starting Temperature	-30°C ... 75°C
2	Max. Ambient Temperature	-30°C ... to 50°C
3	Max. Case temperature (Tc)	75°C

Key Features

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

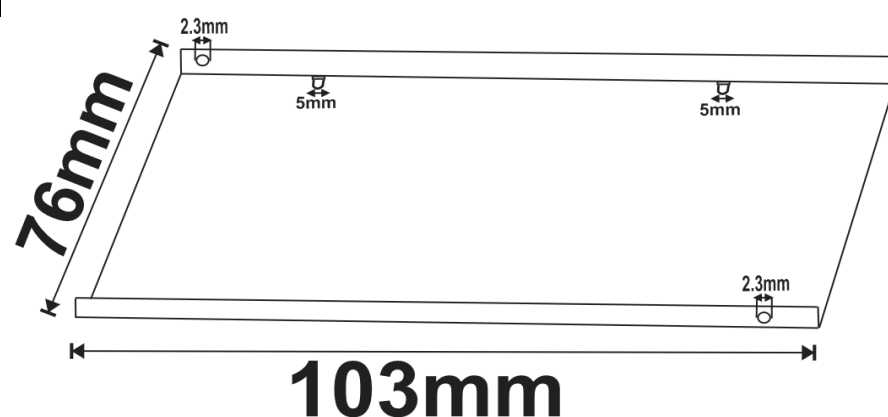
Metal Box



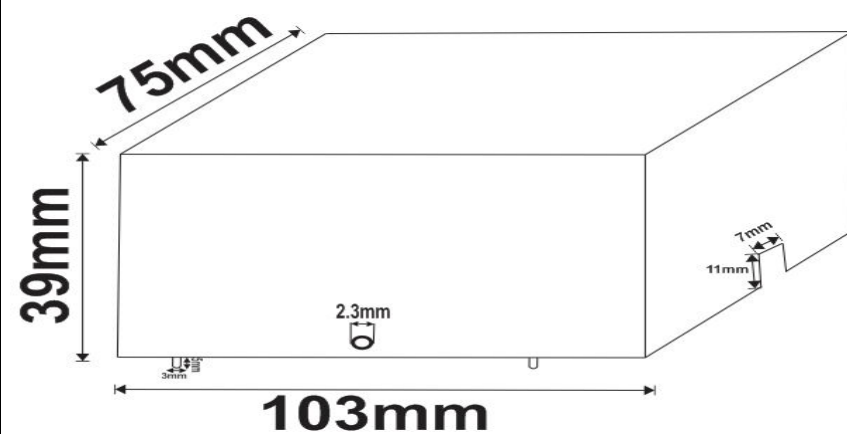
Mechanical Details

1	Weight	250gm
2	Case Dimensions	
	Length W/Mount	104mm
	Center to Center (CTC)	-
	Width	75mm
	Height	39mm
3	Case Material	Metal Box
4	Wiring Diagram	On Screen
5	Input / Output Terminals	Connector
6	Wires Length & Colors	
	Input (Yellow)	NA
	Output (Red & Black)	NA
7	Potting	NA

Bottom



Top



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