COLOSSUS™

Excellence inside

DATASHEET

SS05ISI15300W67

WEBSITE

INPUT

COLOSSUS©
Model No.SS05ISI15300W67
CONSTANT CURRENT DRIVER FOR LED MODULES

U_{IN}:240VAC, 50 Hz	I_{IN}:0.045A	P_{INmax}:6W
U_{OUT}:3-15VDC	P_{OUT}:4.5W	U_{OUTmax}:15VDC
I_{OUT}:300mA	tc_{max}:85°C	ta:0..+50°C	λ > 0.50

IS 15885
(Part 2/Sec 13):2012

MADE IN INDIA   •tc

SELV IP67

R-71028800
www.bis.gov.in

OUTPUT
LED+ [RED]
LED - [BLACK]
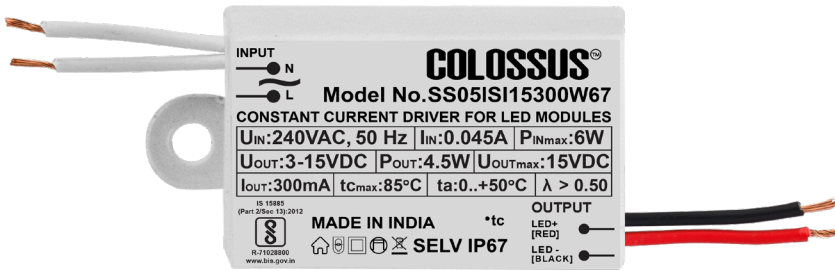
Image is for viewing purpose. Technical Data not to be drawn from above image.

Approval Markings:

IP67 SELV RoHS

Product Description

• Constant current driver for led modules

• Input voltage 240VAC

• High efficiency >76%(@100% Load)

• Power factor >0.50 (@100%Load)

• Protection against Abnormal Operating Conditions Like Overload Protection, Short Circuit Protection, Open Voltage Protection.

• Surge protection 2.5KV

• Nominal Life Time: 30,000 hours @ tc ≤ tc max

• Driver is suitable for use in Dry & Damp locations

Functions

• Application oriented operation for maximum compatibility

Applications

Office   Shops   House

▬ Technical Data

Mains Voltage Supply	
Rated Voltage Range	240VAC
Rated Frequency	50/60 Hz
Max. Admissible Input Voltage Range(AC)	175-265VAC
Mains Voltage Withstanding Capacity	300VAC for 2hrs

Output Data	
Constant current	
Output Current Tolerance	±5%
Max Starting Time	<1s

Interface And Dimming Operation	
Dimming Interface	None

Power Factor	
240V(@ Full Load)	>0.50

Efficiency(typ.)	
Full Load	>76%

Protections	
Open Circuit	<21VDC
Output Short Circuit Operation	YES
Input Over Voltage Cutoff	NA
Input Under Voltage Foldback	NA

Connection Wires	
Type	Solid or Stranded Wire
Wire Cross Section	0.75mm² - 1.5mm²
Wire Length	180mm (±10mm)

Wire Lengths	
Max. Wire Length To Led Module	<1m

Error expected. We reserve the right to make alternations in the interest of improving our products.

Version: 01

Protection

Surge	2.5kV
High Voltage	300V

Temperatures (Operation)

Model No.	Ambient(ta)	Case (tc)
SS05ISI15300W67	0°C... +50°C	Max + 75°C

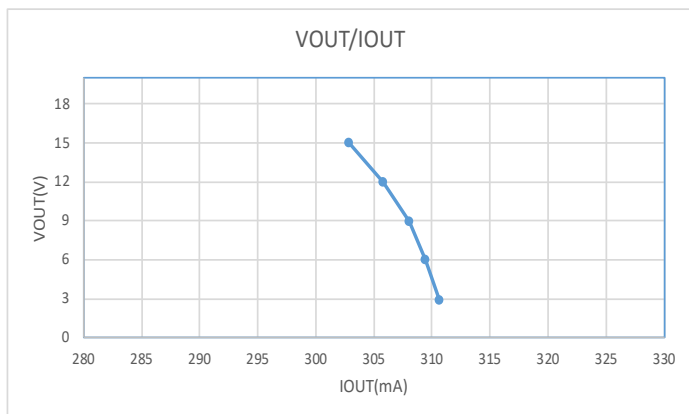## Product Specifications

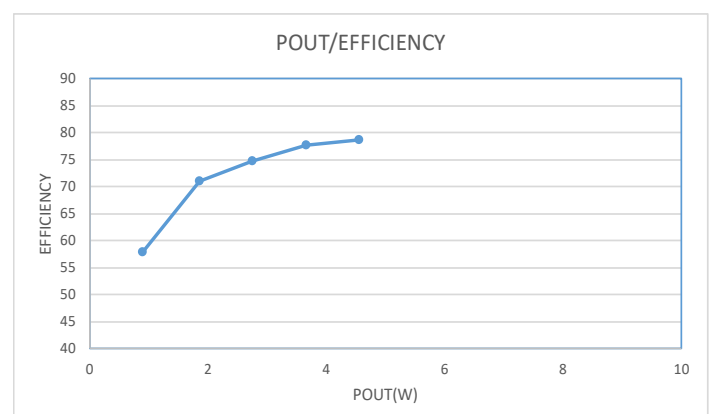| Model No.	Input Current (max)	Input Power (max)	THD	Power Factor	Effici-ency	Output Current	Output Voltage	Output Power (max)
SS05ISI15300W67	45mA	6W	NA	>0.50	>76%	300mA	3-15V	4.5W

All specifications with 240 VAC are nominal operation and 100% load.
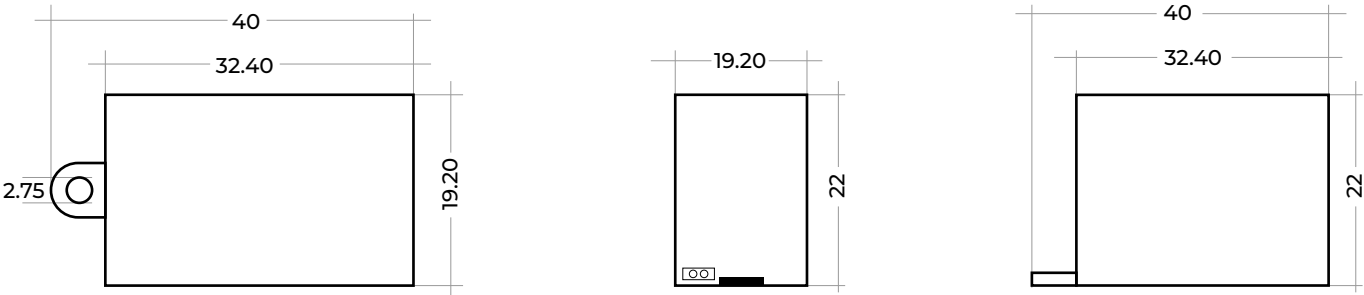
Graphs

Operating Window

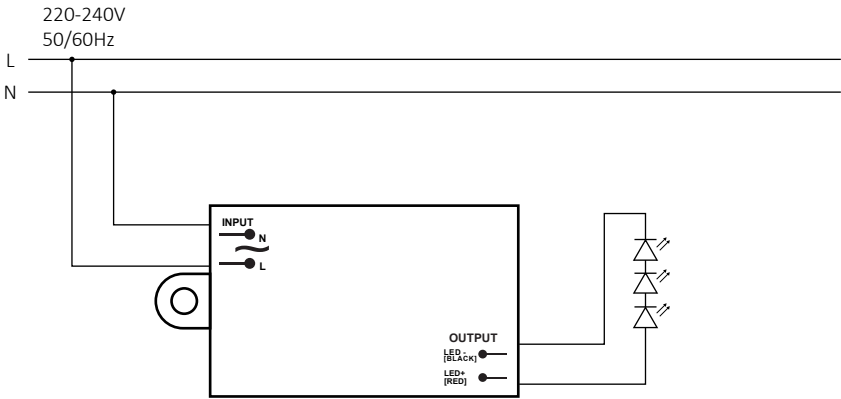**Efficiency Vs Output Power**

Housing Properties

Degree of protection	IP67
Casing	Polycarbonate, White

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Version: 01

Housing Dimensions

Dimensions	40x19.20x22mm
Tolerance	± 1mm
Weight	20 gm

Wiring Diagrams

Expected Lifetime

Lifetime	30,000 hours
Warranty	2 years

Logistics Data

Model No.	SS05ISI15300W67
Weight (gm)	20 gm

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