	Product Type	LED INTEGRATED SPECIAL DRIVER		
	Product Series	GSE-5H300-18	REV	V2.0

### SPECIFICATION FOR APPROVAL

CUSTOMER:	
MODEL NO.:	<b>GSE-5H300-18</b>
Rev.	V2.0
SAMPLE DATE:	

#### Customer Confirmation

TESTED BY	CHECKED BY	APPROVED BY
Note		

Please return to us one copy of "SPECIFICATION FOR APPROVAL" with you approved signature.

#### Suncom Confirmation


TESTED BY	CHECKED BY	APPROVED BY

Guangdong Suncom Power Technology Co., Ltd

No.1 of Yongyi 3rd Road Henglan Town Zhongshan Guangdong China    Post code 528478

TEL:0086-760-28168132    FAX:0086-760-87600929



	Product Type	LED INTEGRATED SPECIAL DRIVER		
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## ◆ Features :

- Input Rated voltage : 100-277Vac 50Hz/60Hz
- Isolation, Constant current mode output
- Surge Protection: L-N :1.5KV

## ◆ Applications:

Application: Down lamp, Panel light or Other lighting lamps

## ◆ Description:

This product is a constant current drive power supply, Specially designed for LED. Built-in Surge protection, output open circuit, short circuit protection have greatly improved the safety and reliability of the product.

<b>SUNCOM</b> <sup>®</sup>	Product Type	LED INTEGRATED SPECIAL DRIVER		
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## ■ MODELLIST

Model	Rated Power	Input Voltage	Output Voltage	Output Current
GSE-5H300-18	5W	100-277Vac	9-18V	300mA

NOTE: Unless specified, all parameters are measured at 230Vac input, rated load, and 25°C ambient temperature .


## ■ ELECTRICALSPECIFICATION

### ◆ Input performance:

Parameter	Min.	Typ.	Max.	Notes.
Voltage Range	100Vac	110-240Vac	277Vac	
Frequency Range	47Hz	50/60Hz	63Hz	
AC Current	-	-	0.1A	
Inrush Current	-	-	30A	At 230Vac input ,25°C cold start

### ◆ Output performance

Parameter	Min.	Typ.	Max.	Notes.
Voltage Range	9VDC	-	18VDC	-
Rated Current	270mA	290mA	310mA	-
Rated Power	-	-	5W	-
Over Voltage	40V	-	50V	-
Efficiency	≧81%	82%	-	At 230Vac input,full load
Current Tolerance	-5%	-	+5%	-
Line Regulation	-3%	-	+3%	-
Load Regulation	-3%	-	+3%	-
Current Ripple	-	±9%	<±10%	-
Turn-on Delay Time	-	0.4S	<1S	Measured at full load and 230Vac input
Short Circuit Protection	-	-	1W	Hiccup mode,recovers automatically after fault condition is removed

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## Environment

Parameter	Min.	Typ.	Max.	Notes.
Working TEMP	-40°C	+25°C	+65°C	-
Storage TEMP	-40°C	+25°C	+85°C	-
Working Humidity	20% RH	-	90% RH	-
Storage Humidity	10% RH	-	90% RH	-
Maximum shell TEMP	-	-	+90°C	-

## Safety Regulations:

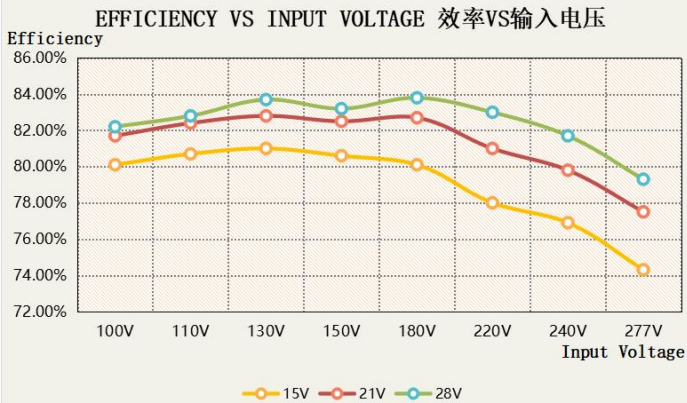
Withstand voltage	I/P-O/P:1.5KVAC
isolation resistance	$\cong 5M\Omega$ at I/P - O/P 500VDC Test
leakage current	<0.75mA/230Vac
Earthing resistance	-
Surge	Differential mode L-N +/- 1.5KV ( 2 ohm )

### NOTE:

- 1) Unless specified, all parameters are measured at 230Vac input, rated load, and 25°C ambient temperature .
- 2) Tolerance: includes set up tolerance, lineregulation and load regulation.

## Efficiency VS Input Voltage

GSE-5H300-18



## Input Voltage VS Loading

GSE-5H300-18

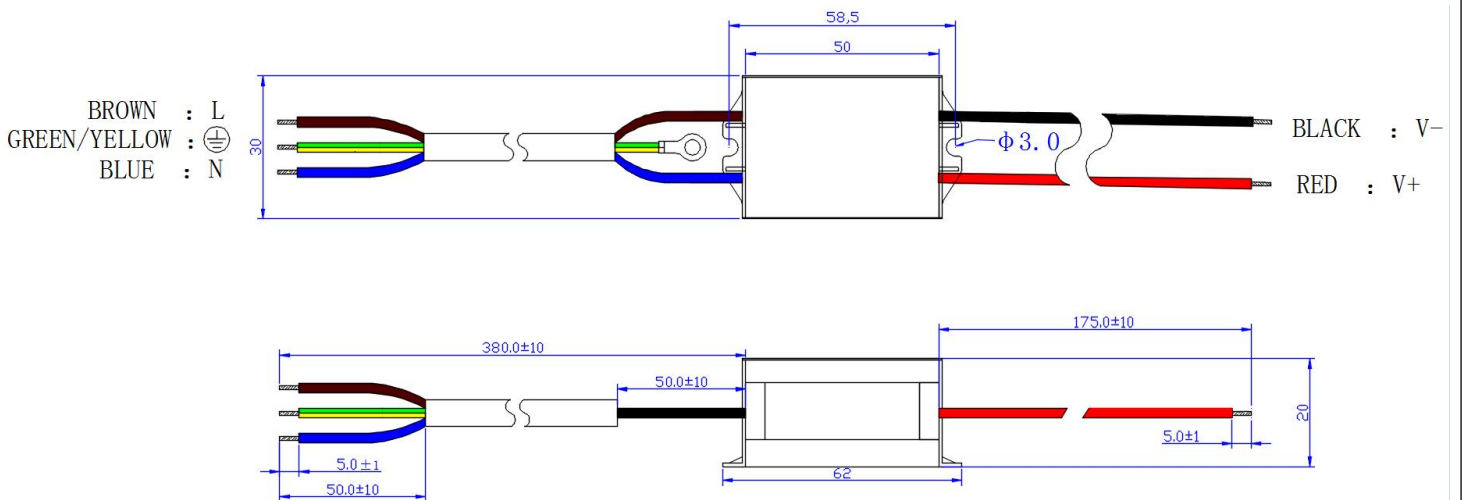


## MECHANICAL SPECIFICATION & PACKING :

Bare plate dimension	39*25*17mm(L*W*H)
final dimension	62*30*20mm(L*W*H)
Product Weight	60g

CaseNo.: 5W

Unit:mm



**SUNCOM**<sup>®</sup>

Product  
Type

LED INTEGRATED SPECIAL DRIVER

Product  
Series

GSE-5H300-18




REV

V2.0

**Nameplate**

Dimension: 48\*22mm Style: Sticker

GSE-8W300-18

<b>SUNCOM<sup>®</sup> GSE-5H300-18</b>			
● INPUT	Input:100-277VAC	Output:9-18VDC	+ ● OUTPUT
	0.1A Max 50/60Hz	300mA±5%	
	ta:65°C tc:90°C •tc	Rated Power: 5W	
●		- ●	
   <b>SELV IP65</b>			