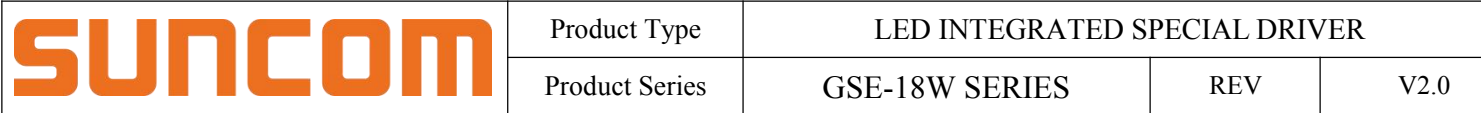


SUNCOM	Product Type	LED INTEGRATED SPECIAL DRIVER		
	Product Series	GSE-18W SERIES	REV	V2.0

SPECIFICATION FOR APPROVAL

CUSTOMER:		
MODEL NO.:	GSE-18W SERIES	
Rev.:	V2.0	
SAMPLE DATE:		
Customer Confirmation		
TESTED BY	CHECKED BY	APPROVED BY
MOTES		
Please return to us one copy of “SPECIFICATION FOR APPROVAL” with you approved signature.		
SUNCOM Confirmation		
TESTED BY	CHECKED BY	APPROVED BY
<div>Guangdong Suncom Power Technology Co., Ltd</div> <div>No.1 of Yongyi 3rd Road Henglan Town Zhongshan Guangdong China. Post code: 528478</div> <div>TEL:0760-22326609 28168136 FAX:0760-87600929</div>		




LED INTEGRATED SPECIAL DRIVER

GSE-18W SERIES

V2.0

■ CHANGE HISTORY

[illegible]

	Product Type	LED INTEGRATED SPECIAL DRIVER		
	Product Series	GSE-18W SERIES	REV	V2.0

◆ 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, greatly improve the safety and reliability of the product.

SUNCOM	Product Type	LED INTEGRATED SPECIAL DRIVER		
	Product Series	GSE-18W SERIES	REV	V2.0

■ MODEL LIST

Model	Rated Power	Input Voltage	Output Voltage	Output Current
GSE-18W300-63	18W	100-277Vac	34-63V	300mA
GSE-18W250-63	18W	100-277Vac	34-63V	250mA

NOTE: All parameters NOT special mentioned are measured at 230Vac input, rated load and 25°C of ambient temperature

■ ELECTRICAL SPECIFICATION

◆ Input performance:

Parameter	Min.	Typ.	Max.	Notes
Voltage Range	100Vac	110-240Vac	277Vac	
Frequency Range	47Hz	50/60Hz	63Hz	
AC Current	-	-	0.35A	
Inrush Current	-	-	30A	At 230Vac input, 25°C cold start

◆ Output performance:

Parameter	Min.	Typ.	Max.	Notes
Voltage Range	34VDC	-	63VDC	GSE-18W300-63
				GSE-18W250-63
Rated Current	270MA	290MA	310MA	GSE-18W300-63
	235MA	250MA	265MA	GSE-18W250-63
Rated Power	-	-	18W	-
Over Voltage	85V	-	100V	GSE-18W300-63
				GSE-18W250-63
Efficiency At 230Vac input, full load	≧ 87%	88.5%	-	GSE-18W300-63
				GSE-18W250-63
Current Tolerance	-5%	-	+5%	-
Line Regulation	-3%	-	+3%	-
Load Regulation	-3%	-	+3%	-
Current Ripple	-	±8%	<±10%	-
Turn-on Delay Time	-	0.3S	<1S	Measured at full load and 230Vac input
Short Circuit Protection	-	-	1W	Hiccup mode, recovers automatically after fault condition is removed

SUNCOM	Product Type	LED INTEGRATED SPECIAL DRIVER		
	Product Series	GSE-18W SERIES	REV	V2.0

■ Environment

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

■ Safety and EMC

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

NOTE:

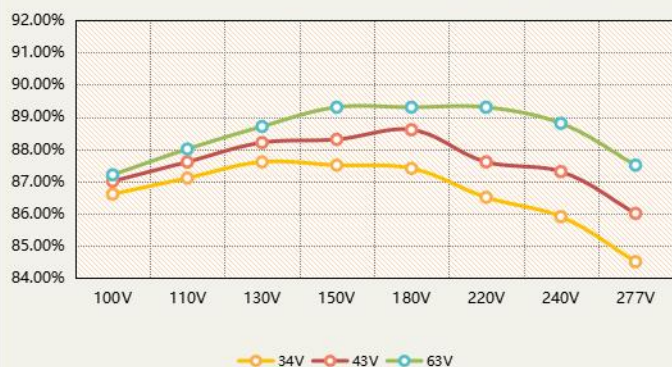
1)All parameters NOT specially mentioned are measured at 230Vac (50Hz) input, rated load and 25℃ of ambient temperature

2) Tolerance:includes set up tolerance,lineregulation and load regulation.

EFFICIENCY VS INPUT VOLTAGE

GSE-18W300-63

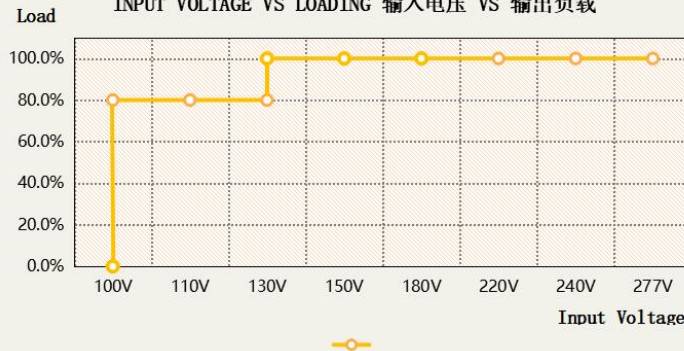
EFFICIENCY VS INPUT VOLTAGE 效率VS输入电压



INPUT VOLTAGE VS LOADING

GSE-18W300-63

INPUT VOLTAGE VS LOADING 输入电压 VS 输出负载



MECHANICAL SPECIFICATION & PACKING

Bare Plate Dimension

57*25*17mm(L*W*H)

Final Dimension

86*30*20mm(L*W*H)

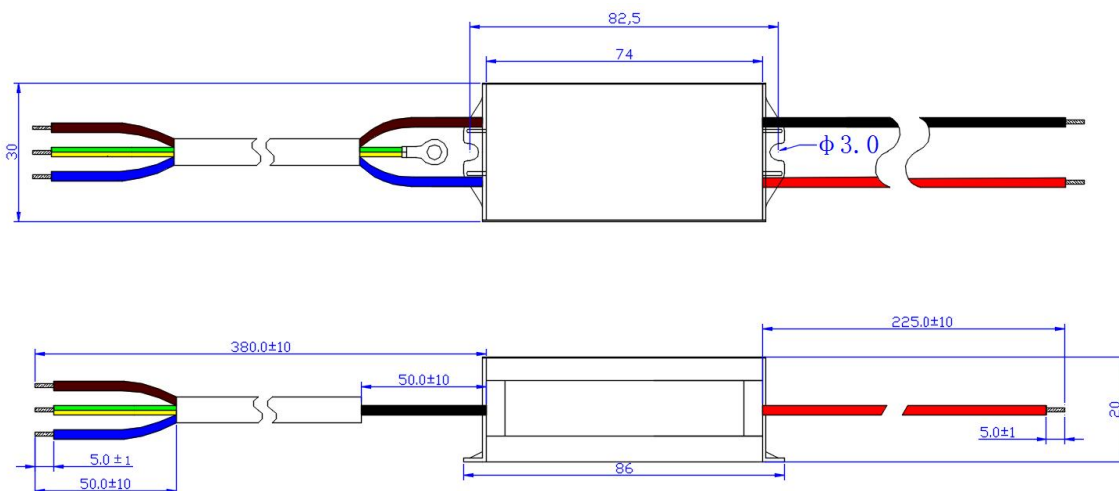
Product Weight

80g

Case No.: 18W

Unit :mm

黄绿色: ⊕
蓝色: N
棕色: L



Nameplate

Dimension: 72*22mm Style: sticker

GSE-18W300-63

GSE-18W250-63

SUNCOM® GSE-18W300-63

INPUT Input:100-277VAC 0.35A Max 50/60Hz ta:65°C tc:90°C	OUTPUT Output:34-63VDC 300mA±5% Rated Power:18W
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•tc SELV IP65

SUNCOM® GSE-18W250-63

INPUT Input:100-277VAC 0.35A Max 50/60Hz ta:65°C tc:90°C	OUTPUT Output:34-63VDC 250mA±5% Rated Power:18W
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•tc SELV IP65