

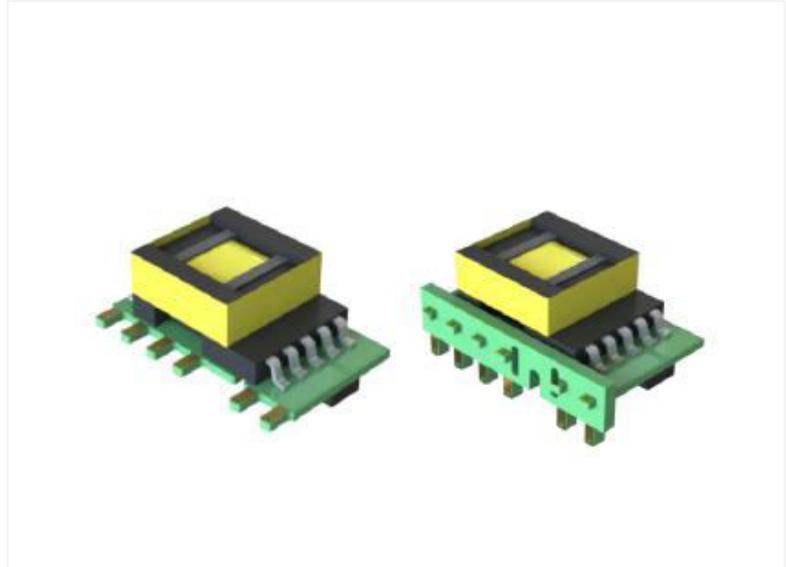
## Features

- Wide Input Voltage Range 85~305V AC and 70 - 430VDC input voltage
- Approved to UKCA, CE, cURus, RoHS, REACH
- UL 62368-1, IEC 62368-1 Safety Approved
- 80% Efficiency
- Accepts AC or DC input (dual-use of same terminal)
- Single Output 3.3-24V DC
- 2 Years Warranty



## 14GS3H1-SXX(F) Series

3W Internal AC/DC Converter Power Supply



The 14GS3H1-SXX(F) Series is a durable and consistent Internal Power Supply (PSU) > Open Frame Chassis Power Supplies. Designed for use in applications such as computing platforms and communications equipment. This series is supplied with a Pin Connection input connection.

### Model Number Information

14GS3H1	S	XX	(F)
Series Name	Single Output	Output Voltage	Package

### Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)	Max. Capacitive Load (µF)
14GS3H1-S03(F)	3.3	0.6	1.98	67	820
14GS3H1-S05(F)	5	0.6	3	72	680
14GS3H1-S09(F)	9	0.333	3	76	470
14GS3H1-S12(F)	12	.25	3	77	470
14GS3H1-S15(F)	15	.2	3	78	330
14GS3H1-S24(F)	24	.125	3	80	200

Input Specifications	
Rated Input	100-277VAC
Voltage Range	85-305V AC      70-430V DC
Frequency Range	47/63Hz
Input Current	Vi:115VAC 0.12 A Vi:230VAC 0.06 A
Inrush Current	Vi:115VAC 13 A Vi:230VAC 23 A

Output Specifications	
Output Voltage Accuracy	3.3V, 10%~100% load    ±8 5~24V, 10%~100% load    ±5
Minimum Load	10%
Line Regulation	Io nom, Vi min...Vi max ±1.5%
Load Regulation	10%~100% Load ±3.0%
No Load	0.10-0.15 W
Ripple & Noise	Vi nom, Io nom, BW=20MHz 80-150 mVp-p

Protection	
Over Load	Above 110% rated output power Protection type: Recovers automatically after fault condition is removed
Short Circuit	Recovers automatically after fault condition is removed

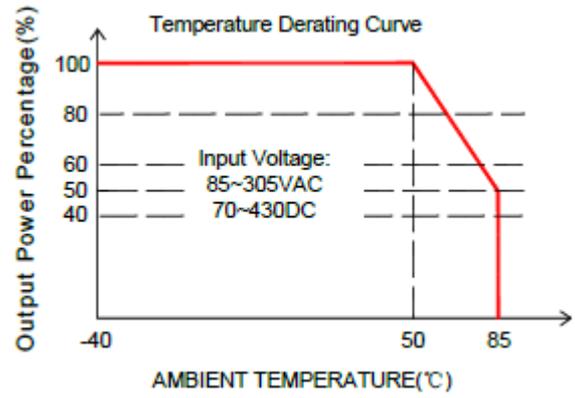
Environmental Characteristics	
Working Temp	-40 ~ +85°C(Please refer to derating graph)
Switching Frequency	Vi nom, Io nom 65 KHz
Isolation Voltage	3.6KVac/ 5mA/5Secs Vac 5KVdc/ 5mA/5Secs Vdc
Storage Temperature	Non Operational -40 ~ +105 °C
Relative Humidity	Vi nom, Io nom 95 % RH

Safety & EMC	
Safety Standards	UL 62368-1, IEC62368-1 approved
EMI	EN55032, CLASS B(See Fig. 2 for recommended circuit)
EMS Immunity	EN55035 (See Fig. 2 for recommended circuit)

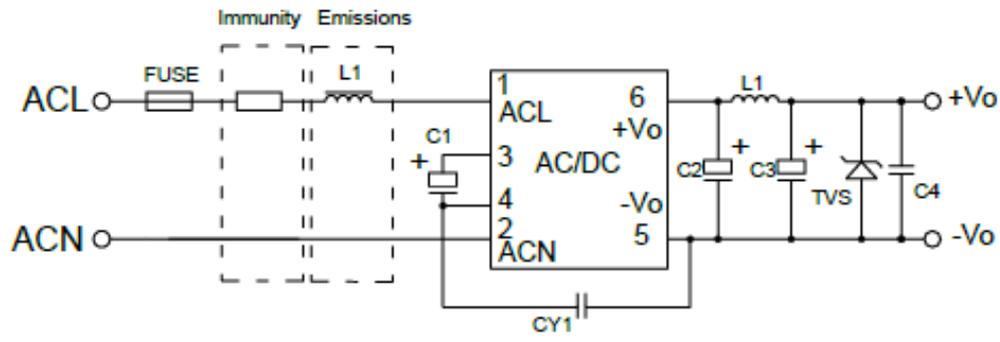
Dimensions & Weight	
	Measurements
14GS5H1-SXX	26.4 x 14.73 x 11.0 mm
14GS5H1-SXXF	27.84 x 11.60 x 17.60 mm

Packaging			
	Outer carton	box size	weight
14GS5H1-SXX	375x320x160mm	350x300x45	5.5grams/pcs
14GS5H1-SXXF	460x240x220mm	210x210x30	6.3grams/pcs

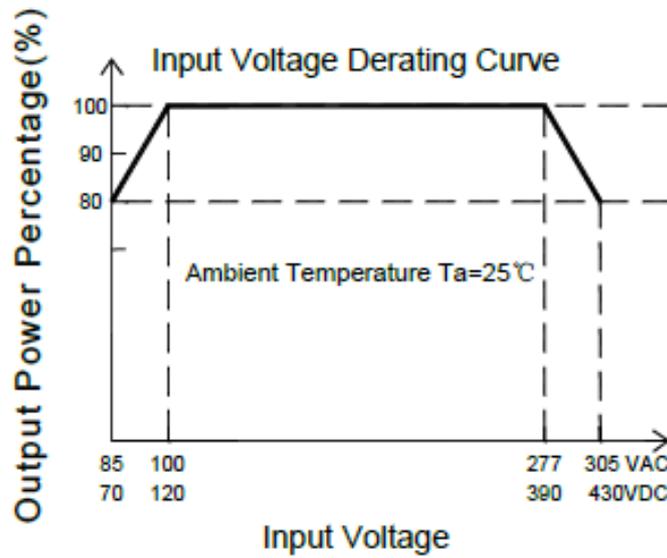
**Temperature derating curve**



**Basic Application**



Input Voltage Derating Graph



EMC Solution-Recommended Circuit

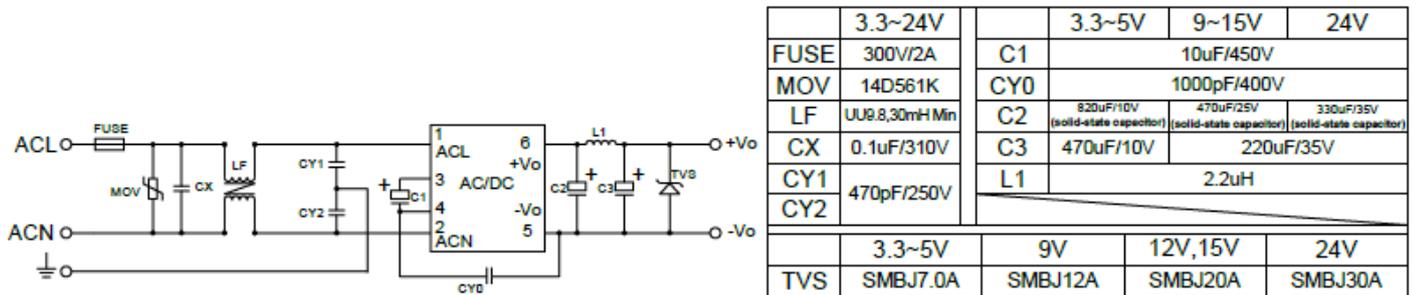
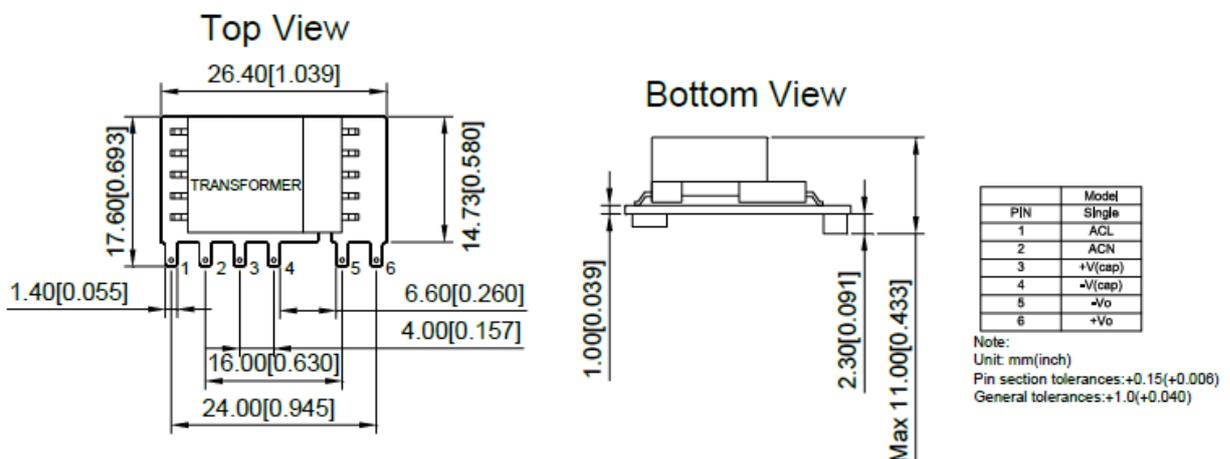
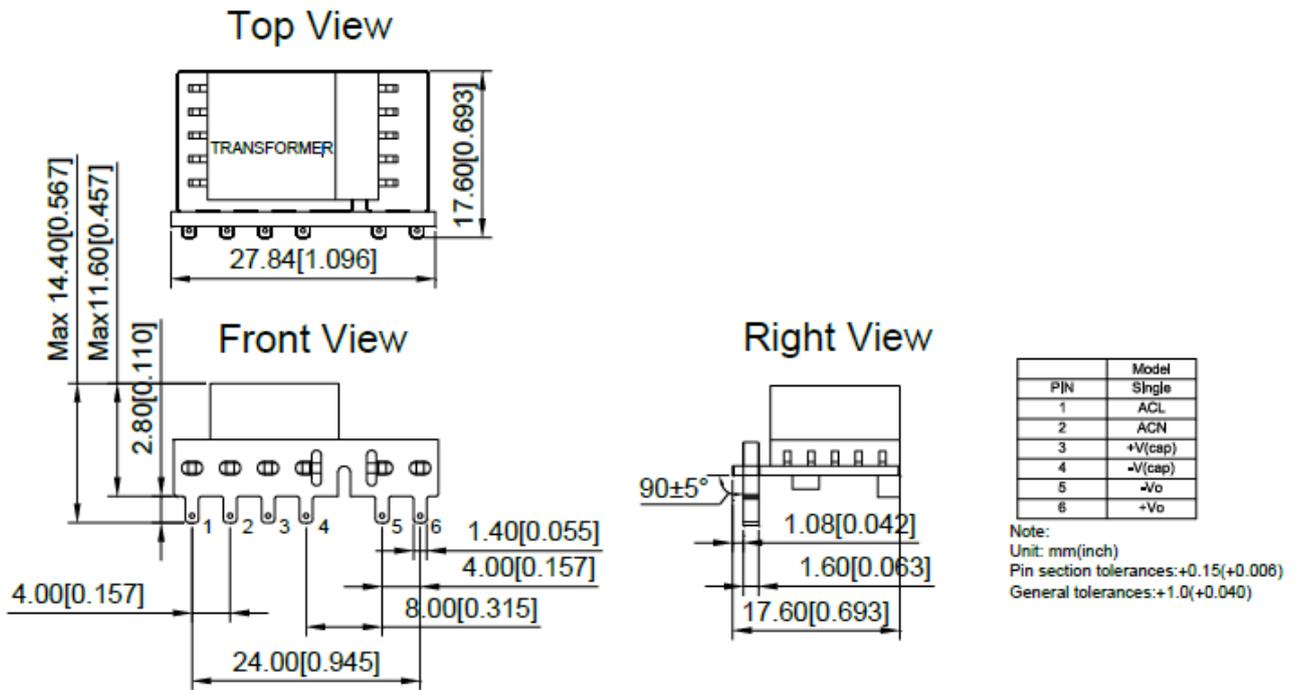


Fig.2

14GS3H1-SXX Dimensions

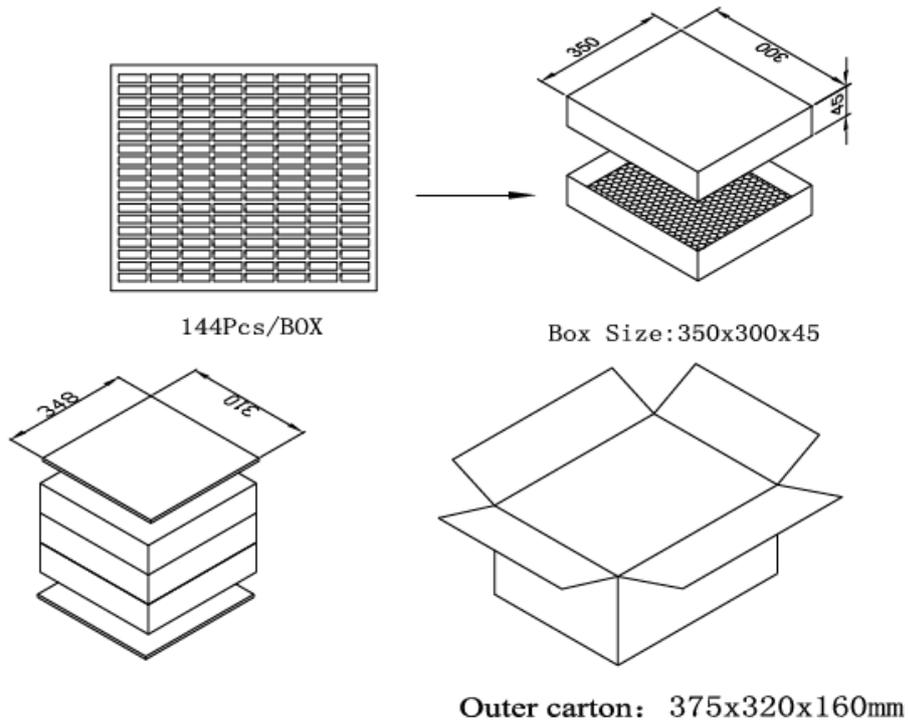


14GS5H1-SXXF Dimensions



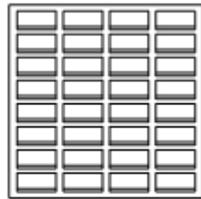
14GS5H1-SXX Package

1.Weight:5.5grams/pcs    2.outer carton unit: 432pcs/box    3.Weight: 4.1kg per carton

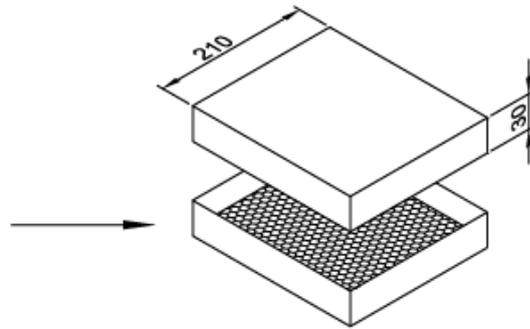


**14GS5H1-SXXF Package**

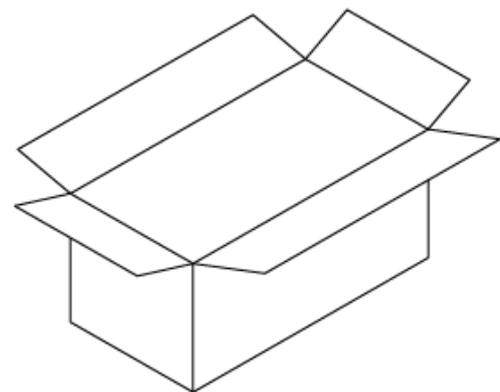
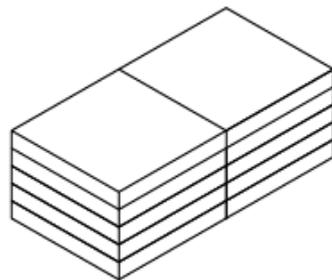
1.Weight:6.3grams/pcs    2.outer carton unit: 320pcs/box    3.Weight: 4.1kg per carton



32Pcs/BOX



Box Size:210x210x30



Outer carton: 460x240x220mm