

AC/DC ENCLOSED POWER SUPPLY

25W



STONTRONICS: SGS25-5, SGS25-12,
SGS25-15, SGS25-24

Features:

- Low Cost, High Reliability
- Overload and Short Circuit Protection
- Free air cooling convection
- High operating temperature up to 60°C



Description:

The 25W Enclosed power supply has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. This range comprises of 5 models with outputs of either 5v, 12v, 15v, 24v, 48v. Each models is RoHS, CE, UL approved and come with a three year warranty.

MODEL		SGS25-5	SGS25-12	SGS25-15	SGS25-24
Output	DC Voltage	5V	12V	15V	24V
	Rated Current	5A	2.1A	1.7A	1.1A
	Current Range	0~5A	0~2.1A	0~1.7A	0~1.1A
	Rated Power	25W	25.2W	25.5W	26.4W
	Ripple & Noise	100mVp-p	120mVp-p	150mVp-p	200mVp-p
	Voltage Regulation Range	4.5~5.5V	10.8~13.2V	13.5~16.5V	21.6~26.4V
	Voltage Accuracy	+/- 1.0%			
	Line Regulation	+/- 0.5%			
	Load Regulation	+/- 2.0 %	+/- 1.0%	+/- 1.0%	+/- 1.0%
	Rise Time	2000ms, 50ms / 230Vac at 100% Load			
	Hold Up Time	20ms / 230Vac at 100% Load			
Input	Full Input Voltage Range	88-264Vac			
	Full Frequency Range	47-63Hz			
	AC Current	0.7A / 115Vac 0.4A / 230Vac			
	In Rush Current	40A / 230Vac			
	Leakage Current	<3.5mA / 230Vac			
Protection	Over Load	110~150% rated output power			
	Short Circuit	Hiccup Mode, auto-recovery after fault condition is removed			
Environment	Working Temp	-10°C ~ +60°C (230Vac) (Refer to output derating curve)			
	Working Humidity	20~90%RH non-condensing			
	Storage Temp	-20oC ~ +45°C			
	Storage Humidity	10 ~ 95%RH non-condensing			
	Temp. Co-efficiency	+/-0.03% / °C (0 ~ 50°C)			
	Vibration Resistance	10 ~ 500Hz, 2G, 10 minute cycle, X, Y, Z 60 minute in each direction			
Safety	Safety Standards	EN60950-1, UL60950-1, CSA-C22.2 No. 60950-1 Approved			
	Withstand Voltage	I/P-O/P: 3KVac I/P-FG: 1.5KVac O/P-FG: 0.5KVac			
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: >50M Ω / 500VDC/ 25°C / 70%RH			
	EMC Emission	Compliance to EN55022 Class B, EN61000-3-2, -3			
	EMC Immunity	Compliance to EN55024, EN61000-4-2, -3, -4, -5, -6, -8, -11			
Others	Lifetime	50,000 Hours (25°C)			
	Size	85mm x 58.5mm x 36.5mm (L x W x H)			
	Package	80pcs/ctn, 20KG, 0.25Kg/piece			
Notes	The power supply is considered a component which must be installed into final equipment. The final equipment must be re-confirmed that it meets all applicable directives.				

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

STONTRONICS

TT Electronics IoT Solutions Ltd
Tofts Farm East, Brenda Road, Hartlepool, TS25 2BQ, UK
t: +44 (0) 1429 852 500