

# SGS15 POWER SUPPLY

## SGS15



### Features:

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

### Description:

The 15W 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		SGS15-5	SGS15-12	SGS15-15	SGS15-24	SGS15-48	
Output	DC Voltage	5V	12V	15V	24V	48V	
	Rated Current	3A	1.3A	1A	0.7A	0.35A	
	Current Range	0~3A	0~1.3A	0~1A	0~0.7A	0~0.35A	
	Rated Power	15W	15.6W	15W	16.8W	16.8W	
	Ripple & Noise	100mVp-p	120mVp-p	150mVp-p	200mVp-p	240mVp-p	
	Voltage Regulation Range	4.5~5.5V	10.8~13.2V	13.5~16.5V	21.6~26.4V	44~52V	
	Voltage Accuracy	+/- 1.0%					
	Line Regulation	+/- 0.5%					
	Load Regulation	+/- 2.0 %	+/- 1.0%	+/- 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	0.4A / 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	-10oC ~ +60oC (230Vac) (Refer to output derating curve)					
	Working Humidity	20~90%RH non-condensing					
	Storage Temp	-20oC ~ +45oC					
	Storage Humidity	10 ~ 95%RH non-condensing					
	Temp. Co-efficiency	+/-0.03% / oC (0 ~ 50oC)					
	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 oC / 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 oC)					
	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.

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