

# SGS25 Power Supply Range



## Specifications:

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



ENGLISH

Model		SGS25-5	SGS25-12	SGS25-15	SGS25-24
RS Stock Code		161-8213	161-8215	161-8216	161-8217
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	0.7A / 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	-20°C ~ +85°C		
	Storage Humidity	10 ~ 95%RH non-condensing		
	Temp. Coefficiency	+/-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	1)All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25°C of ambient temperature. 2)Ripple Test method: 20MHz oscilloscope in power output terminal test, oscilloscope probe wire length is not more that 12mm and input parallel 47uF electrolytic capacitors and 0.1uF high frequency capacitance probe. 3)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.			
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# Mechanical Drawing

