



FEATURES:

- Universal Input 90~264VAC
- Efficiency at 85% Typical
- Protection: Short Circuit /Overload/Over Voltage
- Fully Encapsulated Plastic Case
- Internal Input Filter

SG A 015 - S 12 - 01
A B C D E F

A: Series
B: Package
C: Output Watt
D: Single Output
E: Output Voltage
F: Types

Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified						
Part Number	Output Wattage	Output Voltage	Output Current		Ripple & Noise(note1)	Efficiency
	(W)	(V)	(mA)(min)	(mA)(max)	(mV) max	%(TYP)
SGA015-S12-01	15	Vo=+12.0	0	1300	100	85

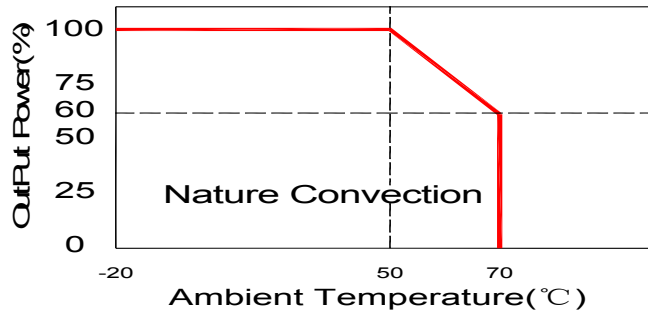
Input Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Rated input voltage	Vo,lo nom		100-240		Vac
Voltage Range	Vo,lo nom	90		264	Vac
Frequency		47	50/60	63	Hz
Input Current	Vo,lo nom			0.35	A
Inrush Current	At 115Vac			10	A
	At 230Vac			20	A
Input Fuse	VDE/UL/CCC FUSE 2.5A/250V				

Output Specifications						
Parameters	Conditions		Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom,lo nom	Vo			±2	%
Minimum Load	Vi nom		See table list			
Line Regulation	lo nom,Vi min...Vi max			±1		%
Load Regulation	Vi nom, lo min...lo nom	Vo		±2		%
Protection	Overload		Above 110% rated output power			
			Protection type: Recovers automatically after fault condition is removed			
	Over Voltage		120%-150% rated output Voltage			
			Protection type: Zener diode clamp			
	Short circuit		Recovers automatically after fault condition is removed			

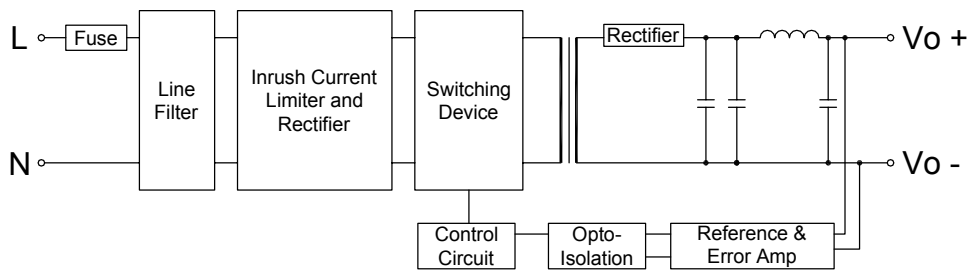
Note. 1. Ripple & noise is measured by using 20 MHz bandwidth, measured with a 47uf paralleled with a high-frequency 0.47uf capacitor across each output by full load.

General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Switching Frequency	Vi nom,lo nom		65		KHz
Isolation Voltage	Input / Output	3.3KVac/ 5mA/5Secs			
Isolation Resistance	Input / Output,@500 Vdc	100			MΩ
Operating Temperature	Operating at Vi nom,lo nom	-20		+70	□
Derating	Vi nom,lo nom+51 to 71□			2	%/□
Storage Temperature	Non Operational	-40		+85	□
Relative Humidity@40□	Vi nom,lo nom			95	% RH
Dimension	L76.2x W50.8 x H25.4				mm
Cooling	Free air convection				

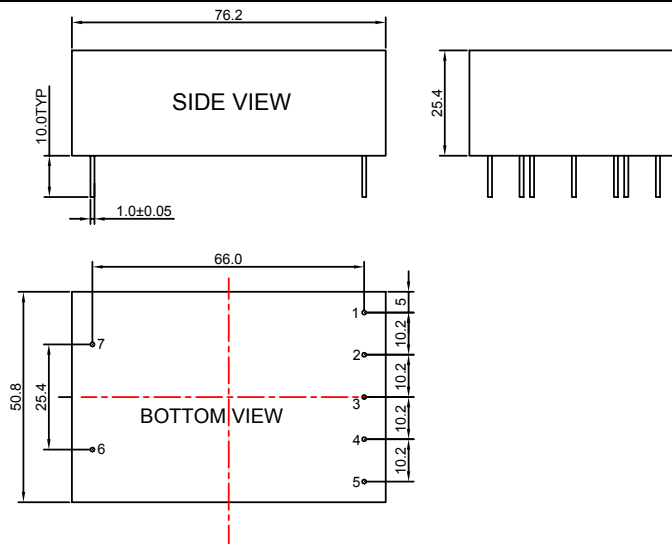
Temperature Derating Graph



Circuit Schematic



Markings and dimensions



PIN	Model
	Single
1	-Vo
2	NO PIN
3	NO PIN
4	NO PIN
5	+Vo
6	ACN
7	ACL

UNIT: mm Unless otherwise specified, all tolerances are ± 0.50

1. Weight: 170grams/pcs
2. outer carton unit : 40pcs/box
3. Weight: 7.5kg per carton