

FEATURES:

- Universal Input 90~264VAC
- Efficiency at 75% Typical
- Protection: Short Circuit /Overload
- Fully Encapsulated Plastic Case
- Internal Input Filter



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)
GA5A-S12C01	6	Vo=+12.0	0	500	150	75

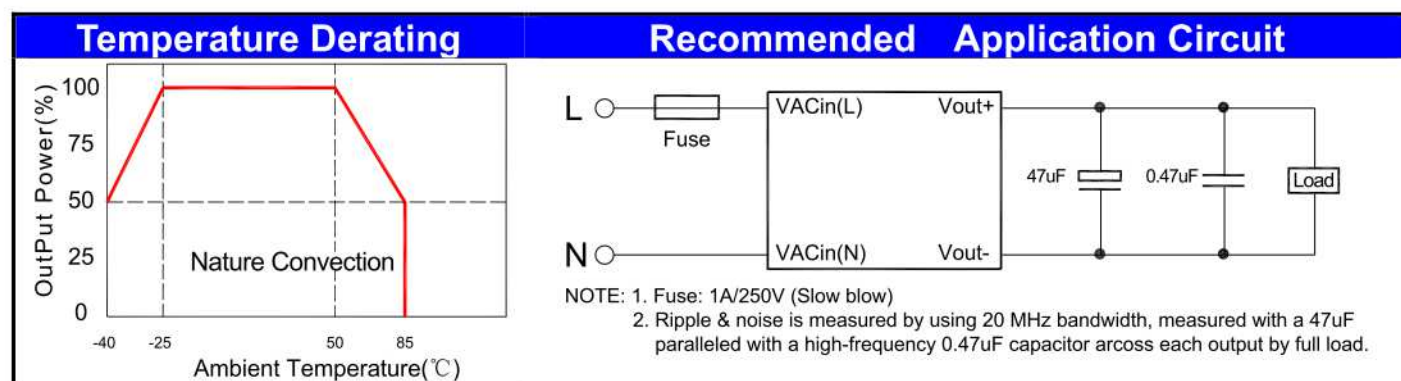
Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Rated input voltage	Vo,lo nom		100-240		Vac
Voltage Range	Vo,lo nom	90		264	Vac
	Vo,lo nom	120		370	Vdc
Frequency		47	50/60	63	Hz
Input Current	Vo,lo nom			0.15	A
Inrush Current	At 115Vac			10	A
	At 230Vac			20	A
Leakage Current				0.25	mA
Input Current(Full load)	130mA Max.(115Vac) 80mA Max.(230Vac)				

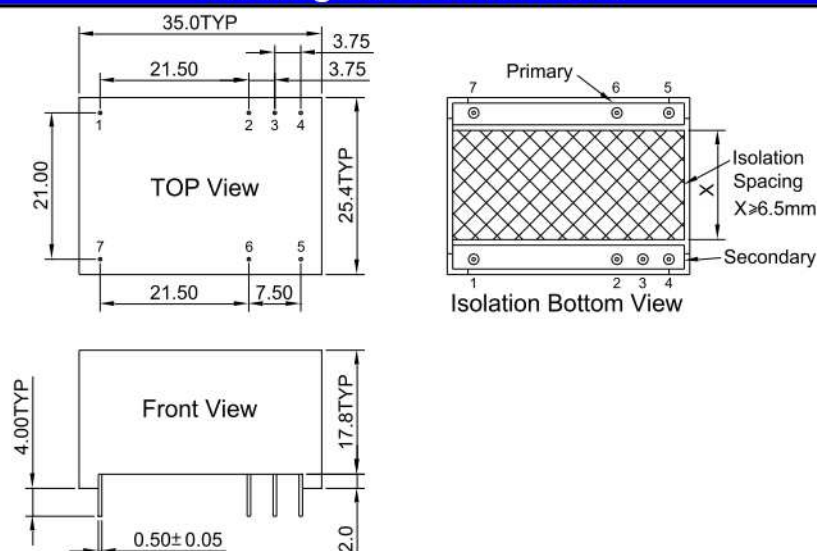
Output Specifications

Parameters	Conditions		Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom,lo nom	Vo			±2	%
Minimum Load	Vi nom		0			
Line Regulation	Io nom,Vi min...Vi max			±0.2		%
Load Regulation	Vi nom, Io min...Io nom	Vo		±0.5		%
Transient Recovery time	Vi nom,lo nom = ↔ 0.5 Io nom			1,000		uS
Protection	Overload		Above 110% rated output power			
	Short circuit		Protection type: Recovers automatically after fault condition is removed			

General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Switching Frequency	Vi nom, Io nom		100		KHz
Isolation Voltage	Input / Output	3KVac/ 5mA/5Secs			
Isolation Resistance	Input / Output, @500 Vdc	100			MΩ
Operating Temperature	Refer to Temperature Derating Graph	-40		+85	°C
Storage Temperature	Non Operational	-40		+85	°C
Relative Humidity@40°C	Vi nom, Io nom			95	% RH
Safety Standards	EN62368-1, UL60950-1 approved				
EMI Conduction & Radiation	Compliance to EN55032				
EMS Immunity	Compliance to EN55024				
Dimension	L35.0 x W25.4 x H17.8 mm				
Cooling	Free air convection				



Markings and dimensions



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

PIN Connection							
PIN	1	2	3	4	5	6	7
GA5A	NC	+Vo	-Vo	NC	L	N	NC

1. Weight:30grams/pcs
2. outer carton unit : 300pcs/box
3. Weight: 11.0kg per carton

