

12Watt,Dual Output,AC-DC Power Module Converter

FEATURES:

- Universal Input 90~264VAC
- Efficiency at 75% Typical
- Protection: Short Circuit /Overload/Over Voltage
- 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)
GA010-D15C01	12	Vo=±15.0	±40	±400	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
	AC in DC in	120		370	Vdc
Frequency		47	50/60	63	Hz
Input Current	Vo,lo nom			0.3	A
Inrush Current	At 115Vac			10	A
	At 230Vac			20	A
Input Fuse	VDE/UL/CCC FUSE 2.5A/250V(Slow blow)				

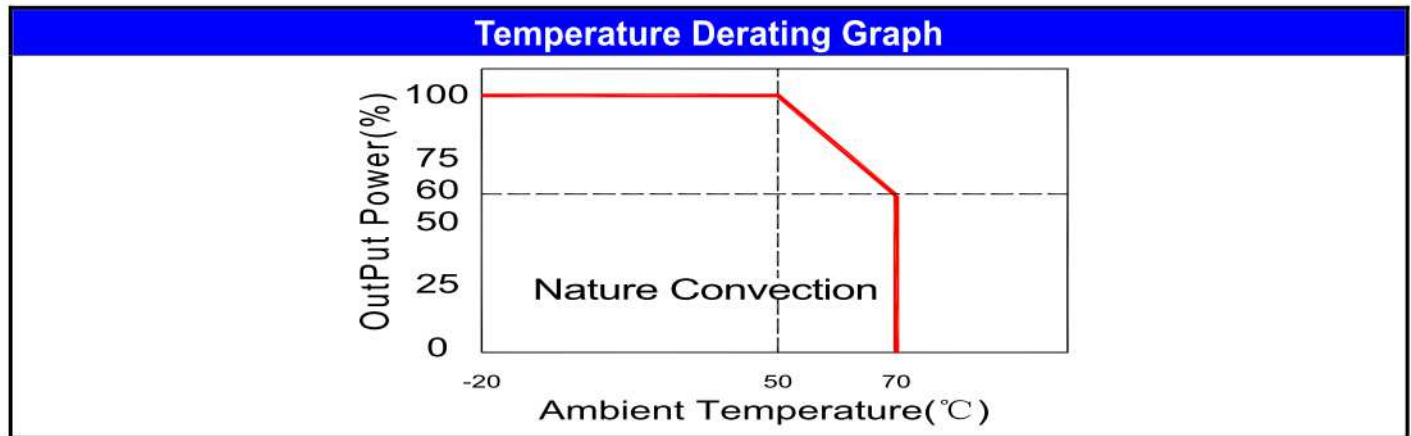
Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom,lo nom Vo			±5	%
Minimum Load	each output	10			%
Line Regulation	lo nom,Vi min...Vi max		±1		%
Load Regulation	Vi nom, lo min...lo nom Vo		±5		%
Transient Recovery time	Vi nom,lo nom = ←→0.5 lo nom		1,000		uS
RISE TIME	Vin:90VAC at Full Load			500	ms
Protection	Overload	Above 110% rated output power			
		Protection type: Recovers automatically after fault condition is removed			
	Over Voltage	120%-150% rated output Voltage			
	Short circuit	Protection type: Zener diode clamp			
		Recovers automatically after fault condition is removed			

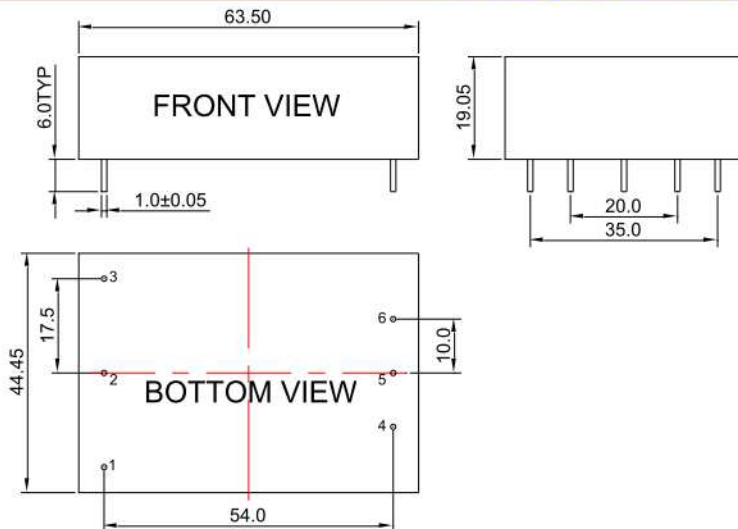
Note. 1. Ripple & noise is measured by using 20 MHz bandwidth, measured with a 47uf paralleled with a high-frequency 0.47uf capacitor across each output by full load.

DESCRIPTION:

General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Switching Frequency	Vi nom,lo nom		65		KHz
Isolation Voltage	Input / Output	3KVac/ 5mA/5Secs			
Isolation Resistance	Input / Output,@500 Vdc	100			MΩ
Operating Temperature	Operating at Vi nom,lo nom	-20		+70	°C
Derating	Vi nom,lo nom+51 to 71°C			2	%/°C
Storage Temperature	Non Operational	-40		+85	°C
Relative Humidity@40°C	Vi nom,lo nom			95	% RH
Safety Standards	EN62368-1 approved				
EMI Conduction & Radiation	Compliance to EN55032				
EMS Immunity	Compliance to EN55024				
Dimension	L63.50x W44.45 x H19.05				mm
Cooling	Free air convection				



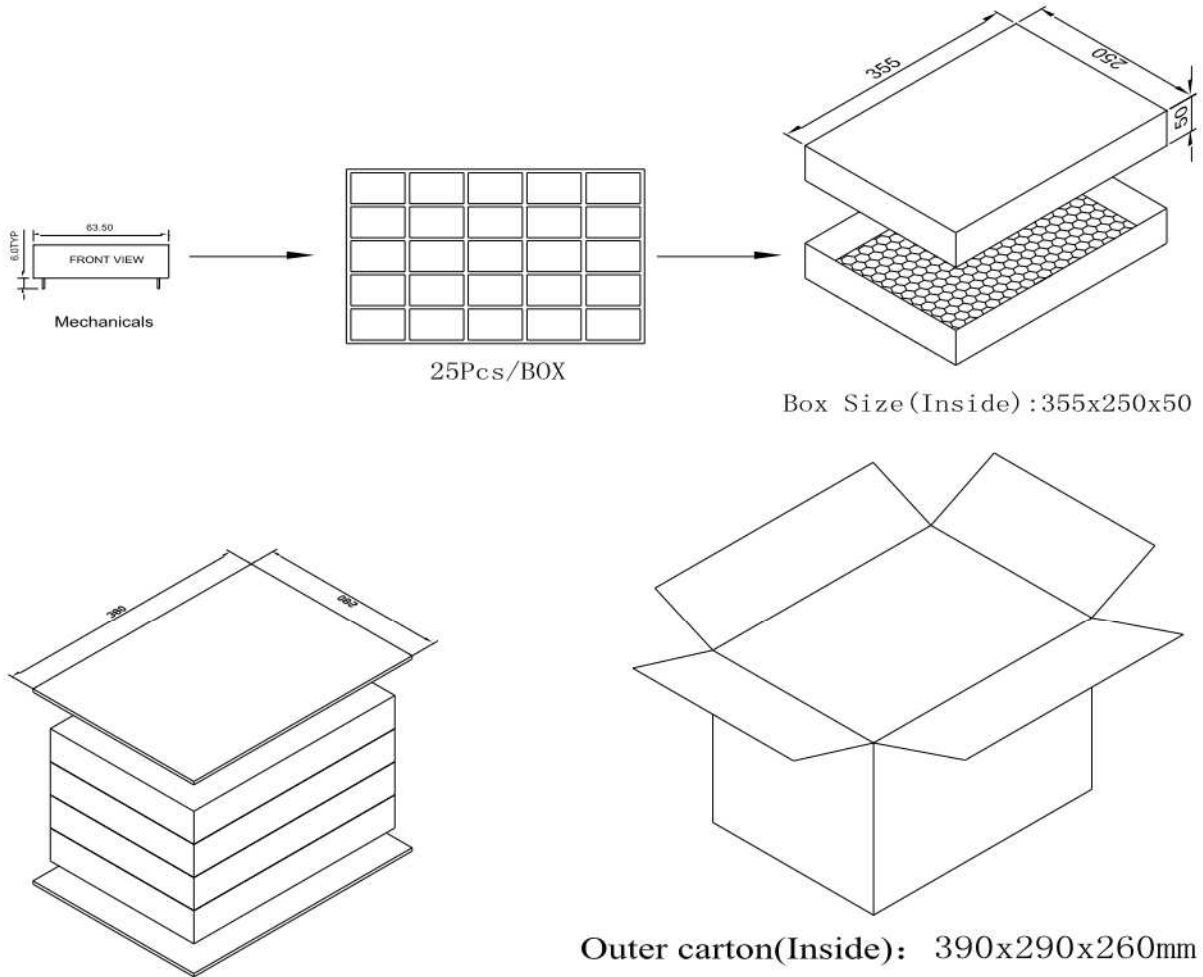
Markings and dimensions



PIN	Model
1	Dual
2	FG
3	ACN
4	ACL
5	-Vo
6	COM
	+Vo

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

1. Weight:100grams/pcs
2. outer carton unit : 100pcs/box
3. Weight:11.0kg per carton



UNIT:mm