

6.6Watt,Single Output,AC-DC Power Module Converter

FEATURES:

- Universal Input 90~264VAC
- Efficiency at 72% Typical
- Protection: Short Circuit /Overload
- Fully Encapsulated Plastic Case
- 2 Years Warranty
- ROHS Compliant

GA10D - S 03
A B C

A:Series

B:Single Output

C:Output Voltage 

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(note) | Efficiency |
|--------------|----------------|----------------|----------------|-----------|----------------------|------------|
| | (W) | (V) | (mA)(min) | (mA)(max) | (mV) max | %(TYP) |
| GA10D-S03C01 | 6.6 | Vo=+3.3 | 0 | 2000 | 150 | 72 |

Input Specifications

| Parameters | Conditions | Min | Typ | Max | Units |
|---------------------|-----------------|-----|---------|-----|-------|
| Rated input voltage | Vo,lo nom | | 100-240 | | Vac |
| Voltage Range | Vo,lo nom AC in | 90 | | 264 | Vac |
| | 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 |

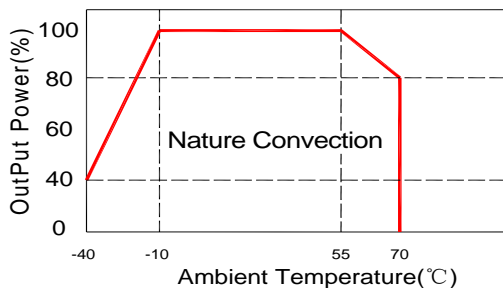
Output Specifications

| Parameters | Conditions | Min | Typ | Max | Units |
|-------------------------|------------------------------|---|-------|-----|-------|
| Output Voltage Accuracy | Vi nom,lo nom Vo | | | ±3 | % |
| Minimum Load | Vi nom | 0 | | | |
| Line Regulation | lo nom,Vi min...Vi max | | ±0.2 | | % |
| Load Regulation | Vi nom, lo min...lo Vo | | ±1.0 | | % |
| Transient Recovery time | Vi nom,lo nom = ←→0.5 lo nom | | 1,000 | | uS |
| Protection | Overload | Above 110% rated output power | | | |
| | | Protection type: Recovers automatically after fault condition is removed | | | |
| | Short circuit | Recovers automatically after fault condition is removed | | | |

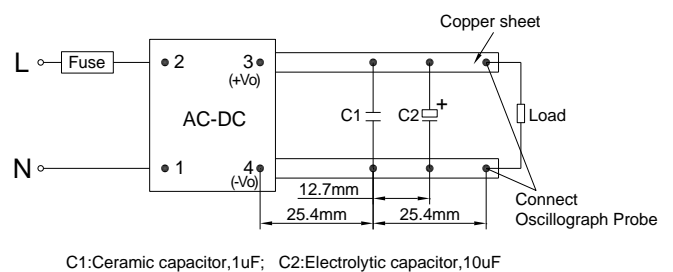
Note . Ripple & noise is measured by using 20 MHz bandwidth, measured with a 47uf paralleled with a high-frequency 0.47uf capacitor across each output by full load.

| General Specifications | | | | | |
|----------------------------|-----------------------------|------------------|-----|------|-------|
| Parameters | Conditions | Min | Typ | Max | Units |
| Switching Frequency | Vi nom, Io nom | | 65 | | KHz |
| Isolation Voltage | Input / Output | 4KVac/ 5mA/5Secs | | | |
| Isolation Resistance | Input / Output, @500 Vdc | 100 | | | MΩ |
| Operating Temperature | Operating at Vi nom, Io nom | -40 | | +70 | °C |
| Storage Temperature | Non Operational | -40 | | +105 | °C |
| Relative Humidity@40°C | Vi nom, Io nom | | | 95 | % RH |
| Safety Standards | EN60950-1 approved | | | | |
| EMI Conduction & Radiation | Compliance to EN55022 | | | | |
| EMS Immunity | Compliance to EN55024 | | | | |
| Dimension | L50.8 x W25.4 x H23.5 | | | | mm |
| Cooling | Free air convection | | | | |

Temperature Derating Graph



Parallel Lines Measure



EMC solution-recommended circuit

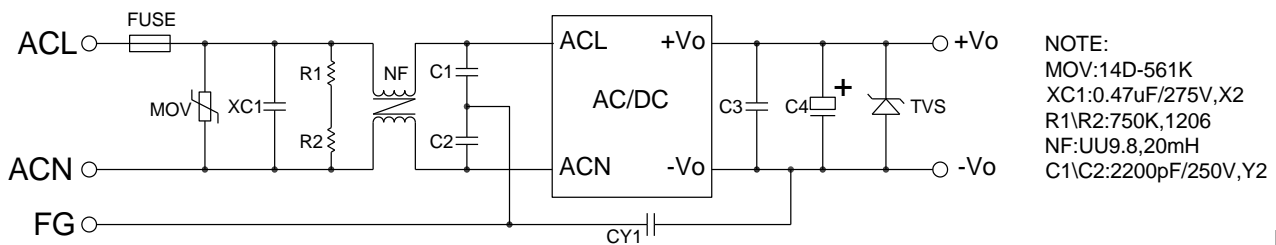
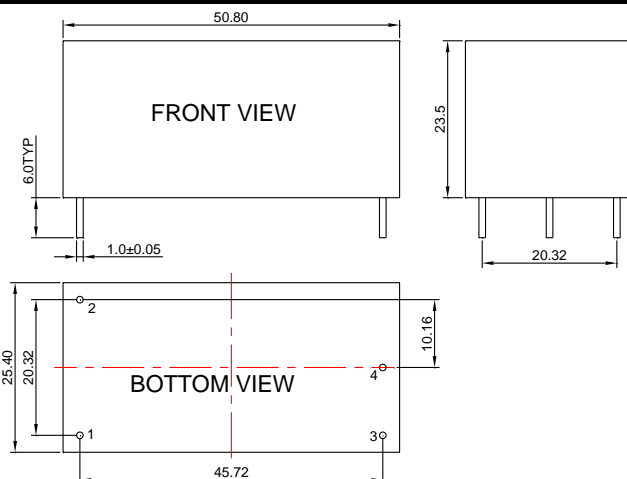


Fig. 1

Markings and dimensions



| PIN | Model |
|-----|-------|
| 1 | ACN |
| 2 | ACL |
| 3 | +Vo |
| 4 | -Vo |

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

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- 1. Weight:54grams/pcs
- 2. outer carton unit : 192pcs/box
- 3. Weight: 12.3kg per carton

