

**KEY FEATURES**

- *Universal Input
- *Compact Size
- *High Reliability
- *I/O Isolation 4000Vac
- *Operating Ambient Temperature Range -40°C to +85°C
- *Safety Approval to IEC / EN / UL 62368-1
- *Safety Approval to IEC / EN 60950-1

ELECTRICAL SPECIFICATIONS**INPUT**

- *Input range----- 90-305 Vac
- *Frequency----- 47-440 Hz
- *Input current----- 230mA max (Full load @ 115Vac)
- *Inrush current----- 30A max (Cold start@ 115Vac, 25°C)
- *Efficiency----- (Refer next page)
- *No load power consumption < 0.1W

OUTPUT

- *Rating power----- 10W
- *Line regulation----- +/-0.2% (typ)
- *Load regulation----- +/-1% (typ)
- *Hold up time----- 15ms min (@ Full load & 115Vac 60Hz)
- *Over power protection
- *Over voltage protection
- *Short circuit protection

EMC

- *EMI --- EN55032 class B (Conduction & Radiation)
- *EMS--- EN55035

PHYSICAL

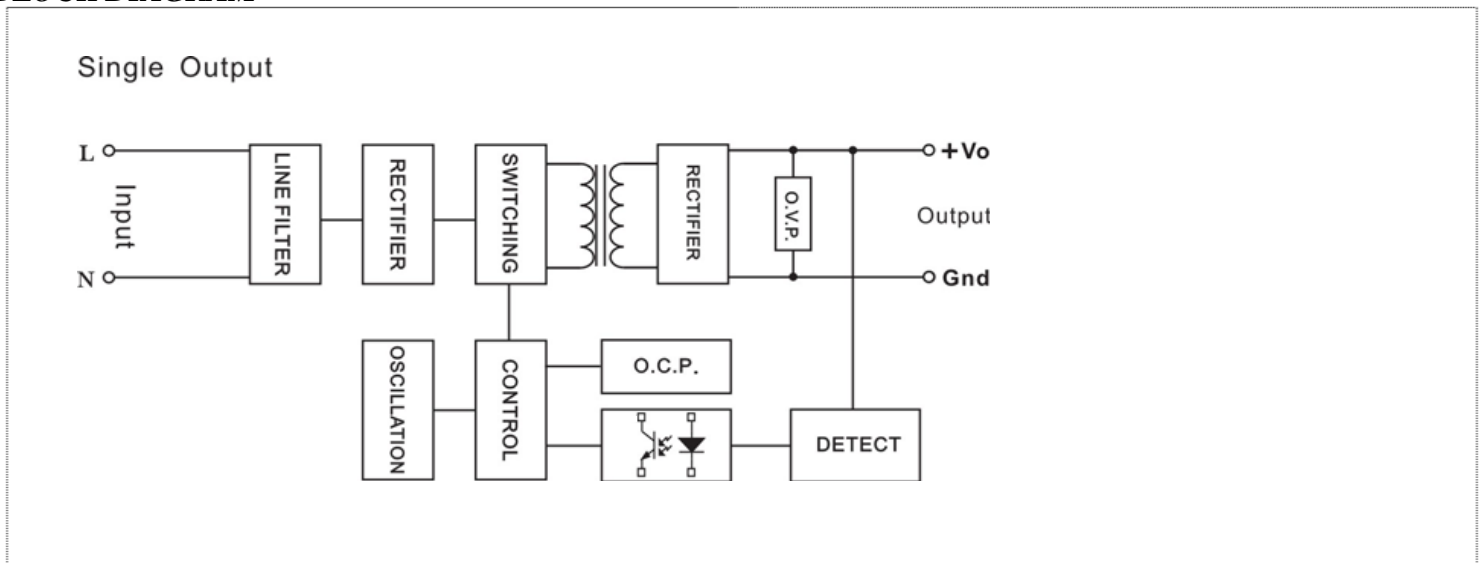
- *Dimensions----- 52.2 x 26.8 x 19 mm
- *Case Material----- Plastic resin (flammability to UL 94V-0)

APPLICATIONS

- *Telecommunications
- *Test & industrial equipments

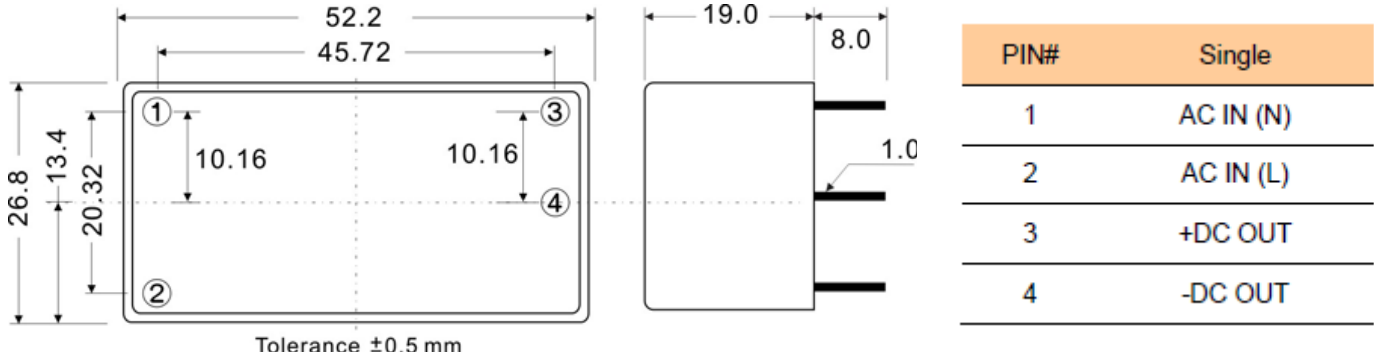
ENVIRONMENTAL

- *Operating temperature:
-40 to +85°C ambient (with derating)
- *Humidity:
Operating; non-condensing, 20% to 95%
- *Storage temperature:
-40 to +85°C
- * Dielectric Strength (Hi-pot)
Input to Output: 4000Vac / 10mA max / 60 second

BLOCK DIAGRAM

| MODEL | OUTPUT VOLTAGE | OUTPUT CURRENT | RIPPLE & NOISE | EFFICIENCY (Typ.) | CAPACITOR LOAD (Max.) |
|------------------------------|----------------|----------------|----------------|-------------------|-----------------------|
| MODEL SELECTION CHART | | | | | |
| AHCH10-5S | 5 V | 2000 mA | 100 mV | 80.5 % | 3500 uF |
| AHCH10-12S | 12 V | 833 mA | 100 mV | 85 % | 630 uF |
| AHCH10-15S | 15 V | 667 mA | 150 mV | 86 % | 470 uF |
| AHCH10-24S | 24 V | 417 mA | 150 mV | 85.5 % | 180 uF |

MECHANICAL DIMENSIONS (Unit : mm)



DERATING

