

**KEY FEATURES**

- *Universal Input
- *Compact Size
- *High Reliability
- *I/O Isolation 4300Vac
- *Over-Voltage Category OVC III
- *Operating Ambient Temperature Range -40°C to +85°C
- *Safety Approval to IEC / EN / UL 62368-1

ELECTRICAL SPECIFICATIONS**INPUT**

- *Input range----- 90-305 Vac
- *Frequency----- 47-63 Hz
- *Input current----- 385mA 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----- 20W
- *Line regulation----- (Refer next page)
- *Load regulation----- (Refer next page)
- *Hold up time----- 6ms 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----- 52.5 x 27.5 x 23.5 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

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	EFFICIENCY (Typ.)	LINE REGULATION	LOAD REGULATION	CAPACITOR LOAD (Max.)
MODEL SELECTION CHART (Single Output)							
AFCV20-5S	5 V	4000 mA	120 mV	85 %	+/- 0.5%	+/- 1%	10000 uF
AFCV20-12S	12 V	1670 mA	120 mV	86 %	+/- 0.5%	+/- 1%	1500 uF
AFCV20-15S	15 V	1330 mA	150 mV	87 %	+/- 0.5%	+/- 1%	1000 uF
AFCV20-24S	24 V	833 mA	240 mV	87 %	+/- 0.5%	+/- 1%	470 uF

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	EFFICIENCY (Typ.)	LINE REGULATION	LOAD REGULATION	CAPACITOR LOAD (Max.)
MODEL SELECTION CHART (Dual Output) (V1&V2)							
AFCV20-5S12S	+5 V	2000 mA	150 mV	81 %	+/- 5%	+/- 2%	5000 uF
	+12 V	700 mA	150 mV		+/- 5%	+/- 4%	750 uF

NOTE:
Minimum Load: (+5V): 10% & (+12V): 20%
Load regulation: 20-100% Symmetric Load

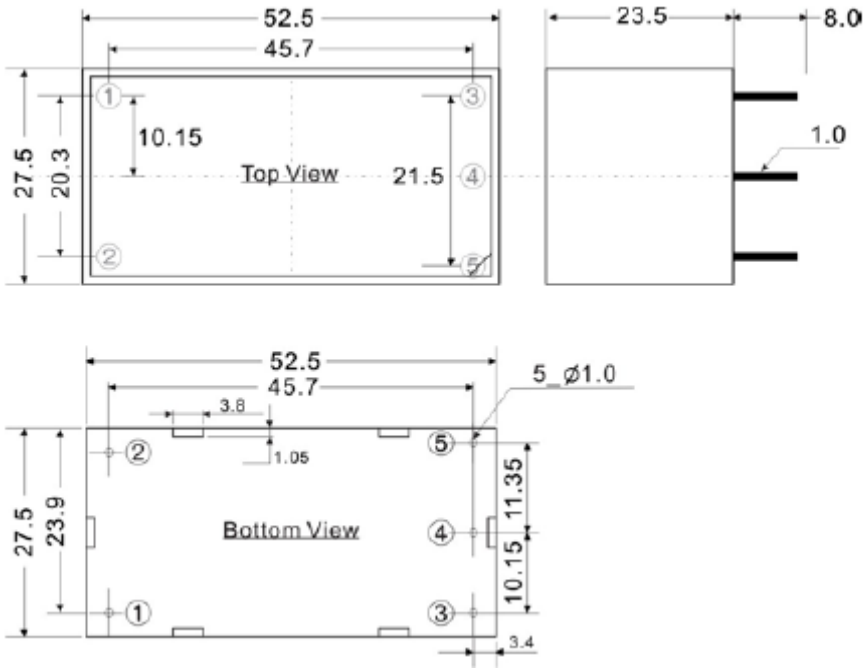
AFCV20-12D	+12 V	833 mA	150 mV	85 %	+/- 5%	+/- 1%	1000 uF
	-12 V	833 mA	150 mV		+/- 5%	+/- 1%	1000 uF

NOTE:
Minimum Load: 25%
Load regulation: 25-100% Symmetric Load

AFCV20-15D	+15 V	666 mA	150 mV	85 %	+/- 5%	+/- 1%	470 uF
	-15 V	666 mA	150 mV		+/- 5%	+/- 1%	470 uF

NOTE:
Minimum Load: 25%
Load regulation: 25-100% Symmetric Load

MECHANICAL DIMENSIONS (Unit : mm)



PIN#	Single	Dual	5S12S
1	AC IN (L)	AC IN (L)	AC IN (L)
2	AC IN (N)	AC IN (N)	AC IN (N)
3	+DC OUT	+DC OUT	+12V OUT
4	-DC OUT	COMMON	+5V OUT
5	NO PIN	-DC OUT	COMMON

DERATING

