

FEATURES:



- **ON-BOARD AC/DC MODULAR POWER SUPPLIES**
- **UNIVERSAL INPUT RANGE**
- **COMPACT IN SIZE**
- **DESIGNED TO MEET UNIVERSAL SAFETY STANDARDS**
- **EMI MEET CISPR PUB.22 / FCC CLASS B**
- **CE MARKING COMPLIANCE**

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac.(Or 110-340Vdc)

Input Frequency: 47-63 Hz. or DC

Input Current: 0.32A @115Vac./0.15A @230Vac

Inrush Current: 32.5A peak @230Vac

Input Fuse: Use external fuse. 1.0A/250Vac for the primary fuse is suggested

Dielectric Withstand: Meet IEC950

3,000Vac-Output/Input

1,500Vac-Input/GND

500Vac-Output/GND

EMI: Meet CISPR PUB.22 / FCC class B

Hold-up time: 20mS @115Vac, 80mS @230Vac

Earth Leakage: Less than 3.5mA @230Vac

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart**Output Current:** See Rating Chart

Output Wattage: Typ.15 Watts

Output Indicator: LED

Line Regulation: $\pm 0.1\%$ typ.

Load Regulation: $\pm 0.1\%$ typ.

Noise & ripple: Typ. 1.0% peak to peak

OVP: Built-in on main output

Adjustability: From -10% of main output till OVP

Short Circuit Protection: Power fold back, self-recovering

Overload Protection: About 130% of over-range foldback type

GENERAL SPECIFICATION

Efficiency: Typ. 72%

Switching Frequency: 83KHz

Circuit Topology: Fixed Frequency Flyback circuit

Transient Response: Output voltage returns in less than 3mS following a 50% load change

Case: Impact resistant thermo-plastic enclosure

Weight: 120.0g (4.23Oz)

Power Density: 3.76 Watts./ Cubic inch

Safety Standard: EN60950/ UL1950 Class I

Operating Temperature: -25 to +71°C range
-10°C to +50°C without derating. Derating linearly
2.5%/°C from +50°C @ F-L to +71°C @ H-L
(Refer to Derating Chart.)

Storage Temperature: -40°C to +85°C

Temperature Coefficient: 0.02% /°C

Humidity: Up to 95%RH, Non-condensing

Cooling: Convection cooling for +50°C @ full load
At least 100LFM moving air is recommended
for full load > +50°C in a confined area

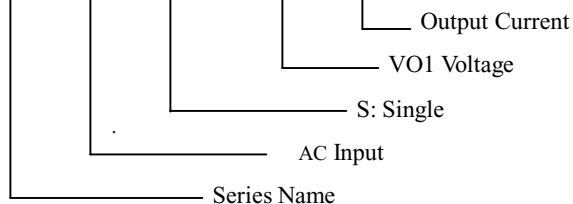
Commercial Grade only

Note: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

(2) Load Regulation measured from Full-Load(F-L) to Half-Load (H-L) at nominal input and others loaded at half load.

MODEL NO. DESCRIPTION: APS10 AM - S -- XXX / YYY

Remark: Please specify the V/A ratings and consult for Model No



OUTPUT VOLTAGE/ CURRENT RATINGS CHART

TRIPLE OUTPUT

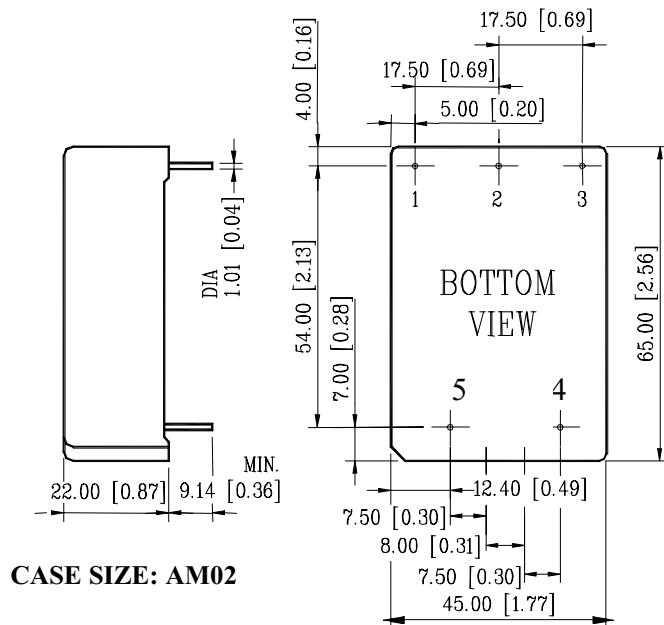
| MODEL NO. | TYP. | +VO1 @★ | |
|------------------|-------|---------|-------|
| | | VOLT. | MAX. |
| APS15AM-S-180083 | 0.83A | 18.0V | 1.00A |
| APS15AM-S-240062 | 0.62A | 24.0V | 0.74A |
| APS15AM-S-360041 | 0.41A | 36.0V | 0.50A |
| APS15AM-S-480031 | 0.31A | 48.0V | 0.37A |

Symbols: "★" OVP built-in. "@" Adjustable

Note: Peak output, less than 60 Sec. with duty cycle <10%.

MECHANICAL DIMENSIONS: MM [INCHES]

Weight: 120.0g (4.23 Oz.)



CASE SIZE: AM02

PIN ASSIGNMENT

| PIN NO. | SINGLE |
|---------|------------|
| PIN #1 | AC-GROUND |
| PIN #2 | AC-NEUTRAL |
| PIN #3 | AC-LINE |
| PIN #4 | + VO1 |
| PIN #5 | DC-COM |

DERATING CHART

