

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: 0.3A @115Vac./0.13A @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.10 Watts
Output Indicator: LED
Line Regulation: $\pm 0.5\%$ typ.
Load Regulation: VO1/ VO3 $\pm 2.0\%$, VO2 $\pm 5.0\%$ 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. 73%

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: 2.51 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

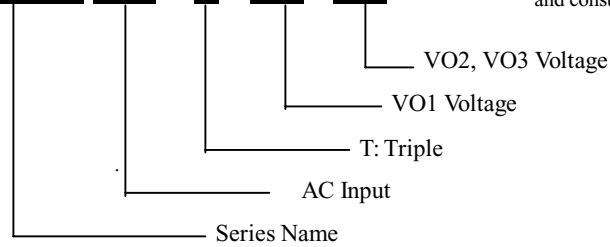
Note: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

(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 - T - XX / YY**

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



OUTPUT VOLTAGE/ CURRENT RATINGS CHART

TRIPLE OUTPUT

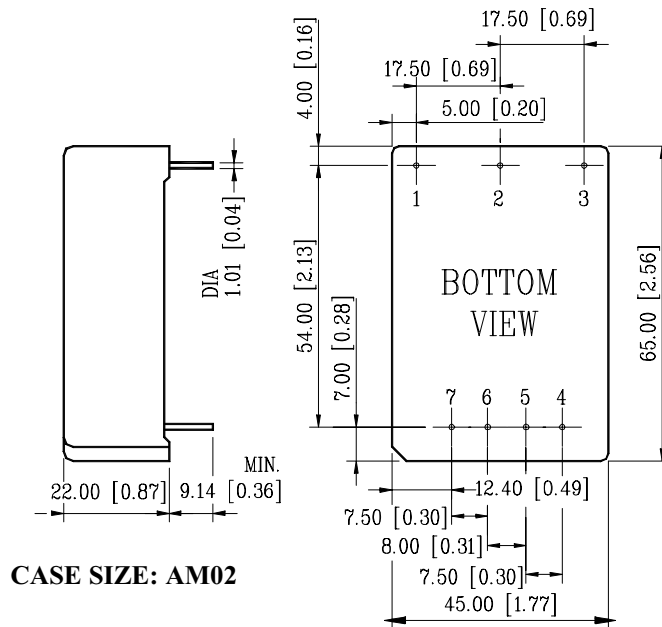
MODEL NO.	+VO1 @★			+VO2 †			-VO3 ‡		
	TYP.	VOLT.	MAX.	TYP.	VOLT.	MAX.	TYP.	VOLT.	MAX.
APS10AM-T-5/09	1.0A	+5.0V	1.15A	0.27A	+9.0V	0.31A	0.27A	-9.0V	0.31A
APS10AM-T-5/12	1.0A	+5.0V	1.15A	0.25A	+12.0V	0.28A	0.25A	-12.0V	0.28A
APS10AM-T-5/15	1.0A	+5.0V	1.15A	0.20A	+15.0V	0.23A	0.20A	-15.0V	0.23A
APS10AM-T-5/24	1.0A	+5.0V	1.15A	0.12A	+24.0V	0.14A	0.12A	-24.0V	0.14A
APS10AM-T-3/05	1.0A	+3.3V	1.15A	0.40A	+5.0V	0.46A	0.40A	-5.0V	0.46A
APS10AM-T-3/12	1.0A	+3.3V	1.15A	0.25A	+12.0V	0.29A	0.25A	-12.0V	0.29A
APS10AM-T-3/15	1.0A	+3.3V	1.15A	0.20A	+15.0V	0.23A	0.20A	-15.0V	0.23A
APS10AM-T-3/5,12	1.0A	+3.3V	1.15A	0.40A	+5.0V	0.46A	0.25A	-12.0V	0.28A
APS10AM-T-3/24	1.0A	+3.3V	1.15A	0.12A	+24.0V	0.14A	0.12A	-24.0V	0.14A

Symbols: "★" OVP built-in. "@@" Adjustable. "‡" Double Feedback.

Note: (1). Max. (maximum load) is the continuous operating load of each rail,
But the max. load of each rail can not be drawn from all outputs at the same time.
(2). Peak output, less than 60 Sec. with duty cycle <10%.

MECHANICAL DIMENSIONS: MM [INCHES]

Weight: 120.0g (4.23 Oz.)



PIN ASSIGNMENT

PIN NO.	TRIPLE
PIN #1	AC-GROUND
PIN #2	AC-NEUTRAL
PIN #3	AC-LINE
PIN #4	+ VO2
PIN #5	+ VO1
PIN #6	DC-COM
PIN #7	- VO3

DERATING CHART

