

- **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**

INPUT SPECIFICATION

Input Voltage: 90-264Vac. (Or 110-340Vdc).
Input Frequency: 47-63 Hz. or DC.
Input Current: 0.33A @ 115Vac./0.16A @ 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, 100mS @ 230Vac.
Earth Leakage: Less than 3.5mA @ 230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Rating Chart.
Output Wattage: Typ.15 to 16.5Watts.
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 overrange
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: 145.0g (5.11Oz)

Power Density: 3.12 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.

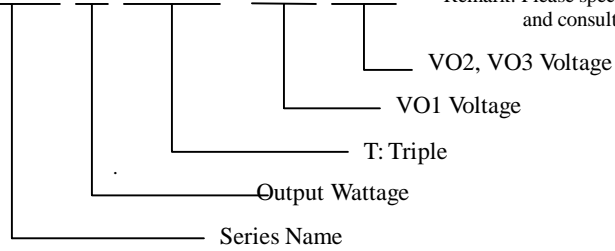
(2) Load Regulation measured from Full-Load (F-L) to Half-Load (H-L) at nominal input and others loaded at half load.



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MODEL NO. DESCRIPTION: TPAM 16 T - XX / YY

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



OUTPUT VOLTAGE/ CURRENT RATINGS CHART

TRIPLE OUTPUT

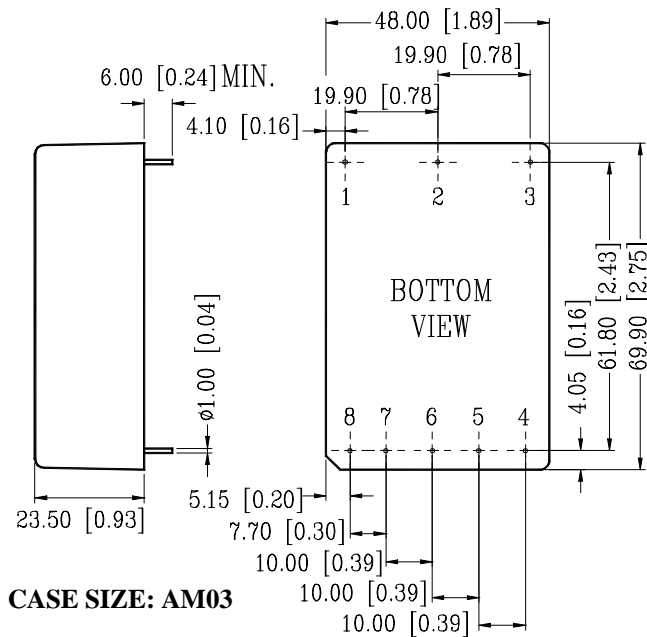
MODEL NO.	+VO1 @ ★			+VO2 †			-VO3 ¶		
	TYP.	VOLT.	MAX.	TYP.	VOLT.	MAX.	TYP.	VOLT.	MAX.
TPAM16T-5/09	1.8A	+5.0V	2.0A	0.40A	+9.0V	0.46	0.40A	-9.0V	0.46
TPAM16T-5/12	1.8A	+5.0V	2.0A	0.30A	+12.0V	0.34	0.30A	-12.0V	0.34
TPAM16T-5/15	1.8A	+5.0V	2.0A	0.24A	+15.0V	0.27	0.24A	-15.0V	0.27
TPAM16T-5/24	1.8A	+5.0V	2.0A	0.16A	+24.0V	0.18	0.16A	-24.0V	0.18
TPAM16T-3/05	1.8A	+3.3V	2.0A	0.75A	+5.0V	0.86	0.75A	-5.0V	0.86
TPAM16T-3/12	1.8A	+3.3V	2.0A	0.30A	+12.0V	0.35	0.30A	-12.0V	0.35
TPAM16T-3/15	1.8A	+3.3V	2.0A	0.25A	+15.0V	0.28	0.25A	-15.0V	0.28
TPAM16T-3/5,12	1.8A	+3.3V	2.0A	0.75A	+5.0V	0.86	0.30A	-12.0V	0.34
TPAM16T-3/24	1.8A	+3.3V	2.0A	0.16A	+24.0V	0.18	0.16A	-24.0V	0.18

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: 145.0g(5.11Oz)

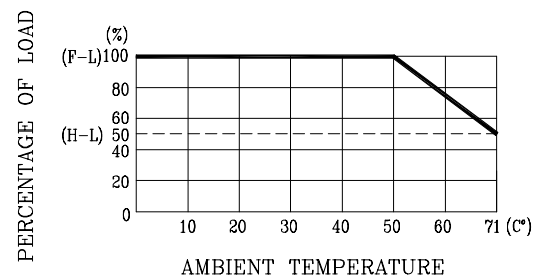


CASE SIZE: AM03

PIN ASSIGNMENT

PIN NO.	TRIPLE OUTPUT
PIN #1.	AC-GROUND
PIN #2.	AC-NEUTRAL
PIN #3.	AC-LINE
PIN #4.	-VO3
PIN #5.	+VO1
PIN #6.	DC-COM
PIN #7.	+VO2
PIN #8.	Remote ON/ OFF

DERATING CHART



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