

PA1050T SERIES:



50 Watts / Single Output

- 4.33 x 2.13 x 1.22" Desktop Switchers

Features:

- Universal AC Input (90~264 VAC Input Range)
- Level V Efficiency
- Class B Emissions
- International Safety Approvals (Class I or Class II)
- 2 Year Warranty

INPUT:

Input Voltage	90~264 VAC (Universal AC Input)
Input Frequency	47-63Hz
Inrush Current	80A @ 230 VAC Cold Start
Input Current	1800mA maximum
Input Protection	Single Fuse
Hold-Up Time	10ms Minimum
Leakage Current	<700 μ A @ 240 VAC Maximum
Harmonics	EN61000-3-2 Class A Compliant
Green Power	Less than 0.300W No Load Input Power

OUTPUT:

Minimum Load	n/a
Line Regulation	\pm 1% max
Load Regulation	\pm 5% max
Ripple & Noise	\pm 1% typ. pk-pk @ 20MHz
Overload Protection	110-135% of max power (Foldback)
Over Voltage	Latching >130% of nominal
Short Circuit Protection	Continuous (auto-recovery)

GENERAL:

Efficiency	75% minimum
Operating Temperature	0-40°C, derate linearly to 50% Load at 50°C
Storage Temperature	-20°C to +70°C
Cooling	Convection Cooled
Operating Humidity	5-95% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis
MTBF	>40k Hrs (according to MIL-HBK-217F) at 25°C

EMC:

Electrostatic Discharge	EN61000-4-2, \pm 4KV Contact / \pm 8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, \pm 2KV
Surges	EN61000-4-5, \pm 2KV Line-Earth, \pm 1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

APPROVALS:

Emissions VCCI / SMA / EN55022 Class B
FCC ANSI C63.4 Class B

Safety Approvals UL/cUL 60950-1
CB EN60950-1
TUV/GS EN60950-1
C-Tick AS3260(AS/NSZ60950)
CEC Level IV
CE Mark (LVD)



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Output Specifications:

Model:	Vout	Max Output Current	Factory Set Point Range
PA1050-090Txx500	9 VDC	5000mA	9.0~14.9 VDC
PA1050-120Txx417	12 VDC	4167mA	9.0~14.9 VDC
PA1050-150Txx333	15 VDC	3333mA	15.0~24.0 VDC
PA1050-180Txx222	18 VDC	2777mA	15.0~24.0 VDC
PA1050-190Txx263	19 VDC	2632mA	15.0~24.0 VDC
PA1050-240Txx208	24 VDC	2083mA	15.0~24.0 VDC
PA1050-270Txx185	27 VDC	1851mA	24.1~36 VDC
PA1050-300Txx167	30 VDC	1667mA	24.1~36 VDC
PA1050-480Txx104	48VDC	1042mA	36.1~48.0VDC

- To Designate desired Safety Class of power supply, replace "xx" with: 2B = Class II Safety Appropvals / 1A = Class I Safety Approval
- Power Supply can be set to any voltage ranging between 9.0 ~ 48 VDC and maintain all safety approvals.
- Standard Cable Length is 6 feet.
- Additional suffix to designate output connector is required, see connector options at <http://www.advpower.com/dcconnector.pdf>

OUTLINE DRAWING:

