

## PA1040I SERIES:



### 40 Watts / Single Output

- 4.33 X 2.13 X 1.30" Wallmount with Detachable AC Plug

### Features:

- Universal AC Input (90~264 VAC Input Range)
- Detachable AC Plugs for Utilization Around the Globe
- CEC Green Power Compliant (Level V)
- Energy Star Compliant
- Class B Emissions
- International Safety Approvals (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 $\mu$ 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	0-50°C, derate linearly to 50% Load at 60°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)



## PA1040I SERIES:

**Output Specifications:**

Model:	Vout	Max Output Current	Factory Set Point Range
PA1040-050IA800	5 VDC	8000mA	5.0 ~ 8.9 VDC
PA1040-075IA533	7.5 VDC	5333mA	5.0 ~ 8.9 VDC
PA1040-090IA444	9.0 VDC	4444mA	9.0~14.9 VDC
PA1040-120IA333	12 VDC	3333mA	9.0~14.9 VDC
PA1040-150IA267	15 VDC	2667mA	15.0~24 VDC
PA1040-180IA222	18 VDC	2222mA	15.0~24 VDC
PA1040-190IA210	19 VDC	2100mA	15.0~24 VDC
PA1040-240IA167	24 VDC	1667mA	15.0~24 VDC
PA1040-270IA148	27 VDC	1481mA	24.1~36 VDC
PA1040-300IA133	30 VDC	1333mA	24.1~36 VDC
PA1040-480IA083	48VDC	830mA	36.1~48 VDC

- Power Supply can be set to any voltage ranging between 5 ~ 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://advpower.thomasnet.com/asset/DC-POWER-CONNECTOR-OPTIONS.pdf>

**OUTLINE DRAWING:**

