

KSAD SERIES:



External / Desktop Package

- Measures only 3.69 x 1.71 x 1.22"

Features:

- Universal AC Input
- UL-94V0 Rated External Desktop Package
- Green Power / CEC Level IV Compliant
- International Safety Approvals
- 2 Year Warranty

INPUT:

| | |
|---------------------|-------------------------------|
| Input Voltage | Universal Input (90~264 VAC) |
| Input Frequency | 47-63Hz |
| Inrush Current | 40A @ 240 VAC Cold Start |
| Input Protection | Single Fuse |
| Hold-Up Time | 20ms @ 80% Load |
| Leakage Current | <1500µA @ 240 VAC Maximum |
| Power Factor | EN61000-3-2 Class A Compliant |
| No Load Input Power | CEC Level IV Compliant |

GENERAL:

| | |
|-----------------------|---|
| Efficiency | 75% minimum (230 VAC / Full Load) |
| Operating Temperature | 0-40°C Full Load, derate linearly to 50% Load at 50°C |
| Storage Temperature | -20°C to +80°C |
| Over-Temp Protection | >80°C Shutdown (Ambient) |
| Cooling | Convection |
| Operating Humidity | 5-90% RH, Non-Condensing |
| Vibration | 5 ~ 50 Hz, acceleration 7.35 m/s*s on X,Y and Z Axis |
| MTBF | >100k Hrs (according to MIL-HBK-217F) at 30°C |

OUTPUT:

| | |
|--------------------------|---|
| Setpoint Accuracy | ±5% |
| Minimum Load | none |
| Regulation | ±5% max |
| Ripple & Noise | ±1% typical pk-pk @ 20MHz |
| Overload Protection | 115-140% of max power (Hiccup Mode) |
| Over Voltage | Latching before 130% of nominal |
| Short Circuit Protection | Trip without damage & auto-recovery |
| Overshoot | Turn-on & off overshoot < 5% over nominal voltage |

EMC:

| | |
|-------------------------|--|
| Electrostatic Discharge | EN61000-4-2, ±4KV Contact / ±8KV Air Discharge |
| Radiated Susceptibility | EN61000-4-3, 26-1000MHz, 10V/M, 80% AM |
| EFT / Bursts | EN61000-4-4, ±2KV |
| Surges | EN61000-4-5, ±2KV Line-Earth, ±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 EN55022 "B", FCC Part 15 Subject J Class B

Safety Approvals UL/cUL 60950-1
 CSA22.2 No. 60950-1
 TUV EN60950-1
 PSE, CCC, BEAB



KSAD SERIES:

Output Specifications:

| Model: | Output (V) | Output (A) |
|--------------------|------------|------------|
| KSAD0330455T1M2-cc | 3.3VDC | 4.55A |
| KSAD0500300T1M2-cc | 5VDC | 3.00A |
| KSAD0750200T1M2-cc | 7.5VDC | 2.00A |
| KSAD0900167T1M2-cc | 9.0VDC | 1.67A |
| KSAD1200125T1M2-cc | 12VDC | 1.25A |
| KSAD1350111T1M2-cc | 13.5VDC | 1.11A |
| KSAD1500100T1M2-cc | 15VDC | 1.00A |
| KSAD1800083T1M2-cc | 18VDC | 0.83A |
| KSAD1900079T1M2-cc | 19VDC | 0.79A |
| KSAD2000075T1M2-cc | 20VDC | 0.75A |
| KSAD2400063T1M2-cc | 24VDC | 0.63A |

- Consult APS for other output voltage requirements
- "cc" is utilized to designate output cable length and connector.
- See APS website for standard connector options (<http://www.advpower.com/dcconnector.pdf>)

OUTLINE DRAWING:

