

KSAFK SERIES:



90 Watt Desktop Switcher

- 5.91 x 2.28 x 1.37" Desktop Package

Features:

- Universal AC Input
- Small External Desktop Package
- Accident Protected on/off Switch
- International Safety Approvals
- 2 Year Warranty

INPUT:

Input Voltage	Universal Input (90~264 VAC)
Input Frequency	47-63Hz
Inrush Current	60A @ 240 VAC Cold Start
Input Current	1.5A (max continuous)
Input Protection	Single Fuse
Hold-Up Time	20ms @ 80% Load
Leakage Current	<1500µA @ 240 VAC Maximum
Power Factor	EN61000-3-2 Class A 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:

Adjustment Range	±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
 TÜV EN60950-1
 PSE, CCC, BEAB



KSAFK SERIES:

Output Specifications:

Model:	Output (V)	Output (A)
KSAFK120625T1-cc	12.0 VDC	6.25 A
KSAFK136588T1-cc	13.6 VDC	5.88 A
KSAFK140571T1-cc	14.0 VDC	5.71 A
KSAFK150533T1-cc	15.0 VDC	5.33 A
KSAFK160500T1-cc	16.0 VDC	5.00 A
KSAFK180500T1-cc	18.0 VDC	5.00 A
KSAFK185486T1-cc	18.5 VDC	4.86 A
KSAFK190474T1-cc	19.0 VDC	4.74 A
KSAFK200450T1-cc	20.0 VDC	4.50 A
KSAFK220409T1-cc	22.0 VDC	4.09 A
KSAFK240375T1-cc	24.0 VDC	3.75 A

- 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:

