



Making Data Acquisition Easy

CAGE/NCAGE CODE: 3FNFO

KA52F 24V/1.04A, 25W Power Supply



Features

Compact Size

Universal Input Voltage, 3-pole AC Inlet IEC320-C14

Class power (with Earth Pin)

Protections: Short circuit / Overload / Over voltage

PWM 3842 control circuit and regulated

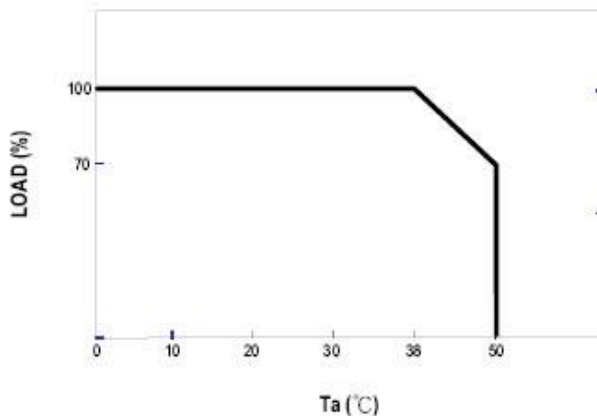
Approvals: UL/CUL/TUV/BSMI/CB /FCC/CE

DESCRIPTION

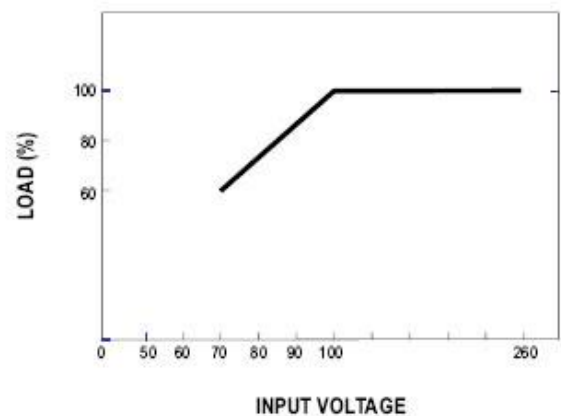
KA52F is a 24V/1A Power Supply. It supports a voltage input range between 100-250 VAC. Has 130 ~ 180% rated output power over-current protection, over-voltage protection, and 105 ~ 135% rated output voltage over-load protection. KA52F supports a wide range of operating temperatures between 0°C ~ +50°C (32F ~ 122F).

DISPLAY

Derating Curve



Static Characteristics





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SPECIFICATIONS

INPUT	
Voltage Range	100-250VAC
Frequency	50/60 Hz
Input Current	40A / 230VAC
Leakage Current (max.)	0.75mA / 240VAC
OUTPUT	
Voltage	24VDC
Output Current	1.04A
Ripple	180mVp-p
Over Voltage Protection	Yes (clamp by Zener diode)
Over Current Protection	130 ~ 180% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed
Over Load Protection	105 ~ 135% rated output voltage Protection type : Recovers automatically after fault condition is removed
Temperature Coefficient	±0.04%/°C (0~50°C)
Efficiency	82% (Typ.)
Hold-up Time	16ms at full load
Line Regulation	±1% (Line regulation is measured from low line to high line at rated load)
Load Regulation	±2% (Load regulation is measured from 20% to 100% rated load)
GENERAL	
MTBF	500Khrs min. MIL-HDBK-217F (25°C)
ENVIRONMENTAL	
Operating Temperature	0 °C ~ +50°C
Storage Temperature	-20 °C ~ +85°C
Humidity	20% ~ 90% RH, non-condensing
Derating	Derated from 100% at +38 °C
SAFETY & EMC	
Safety Standards	UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336 approved
Withstand Voltage	I/P-O/P:3KVAC , I/P-FG:1.5KVAC
Isolation Resistance	I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25 / 70% RH
EMI Conduction & Radiation	Compliance to EN55022 class B, FCC PART 15 / CISPR22 class B, CNS13438 class B
Harmonic Current	Compliance with EN61000-3-2,3
EMS IMMUNITY	Compliance with EN61000-4-2,3,4,5,6,11, light industry level, criteria A