

**KA-52F-48/DIN-KA52F-48**

**KA-52F-48 : 48V/0.52A, 25 W Power Supply**

**DIN-KA52F-48 : 48V/0.52A, 25 W Power Supply with Din-Rail Mounting**



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**Model: KA-52F-48**

**Model: DIN-KA52F-48**

## Features

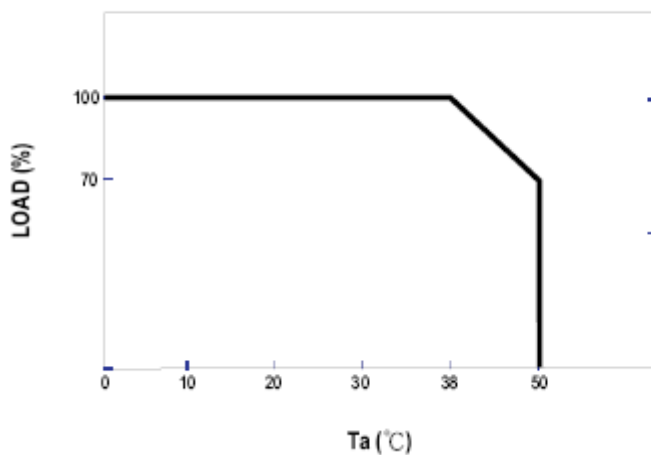
- Universal input voltage
- 3 pole AC inlet IEC320-C14
- Class power (with earth pin)
- Protections: Short circuit/Overload/Over voltage
- PWM 3842 control circuit and regulated
- Approvals: UL/CUL/TUV/BSMI/CB/FCC/CE

## Specifications

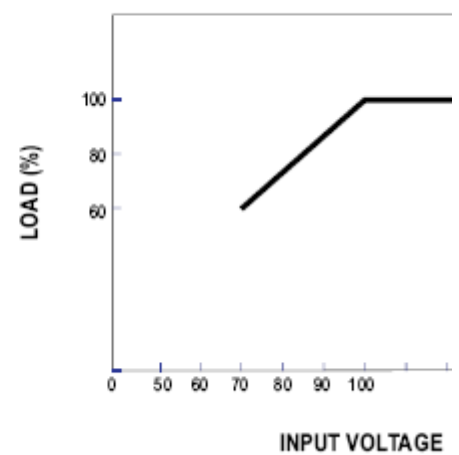
Input	
Voltage range	100-250 VDC
Frequency	50/60 Hz
Input current	0.05 ~ 0.52 A
LEAKAGE CURRENT(max.)	0.75 mA/240 VAC
Output	
Voltage	48 VDC
Output current	0.52 A
Ripple	180mVp-p
Over voltage protection	Yes (clamp by Zener diode).
Over current protection	130 ~ 180% rated output power Protection type : 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)
<b>General</b>	
MTBF	500Khrs min. MIL-HDBK-217F(25°C)
<b>Environmental</b>	
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
<b>SAFETY &amp; EMC</b>	
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 to EN61000-3-2,3
EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, light industry level, criteria A

■ Derating Curve



■ Static Characteristics



## Ordering Information

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