

Features:



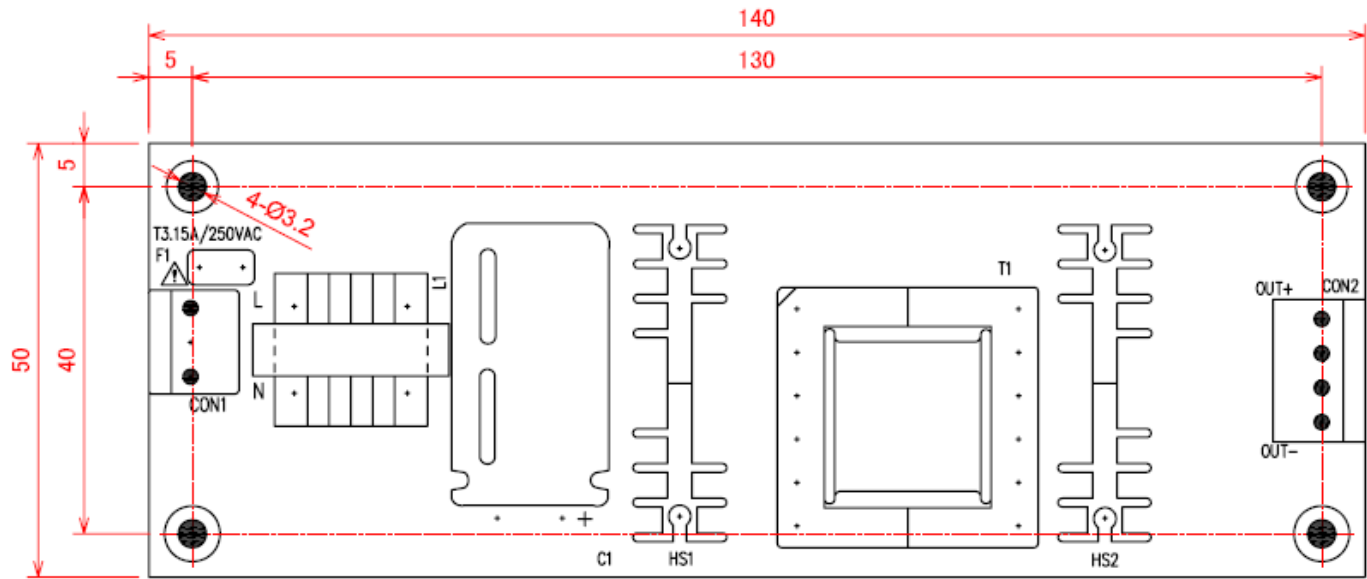
- Universal AC input/ Full range
- Output protections: OLP/OVP/OTP/SCP
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 2 years warranty

SPECIFICATION

MODEL			KHD-07024B
OUTPUT	DC Output		12V
	Rated Current		2.5A
	Current Range	Note 1	0~2.5A
	Ripple and Noise	Note 2	≤120mV
	Voltage ADJ. Range		/
	Voltage Accuracy		±3.0%
	Line Regulation		±0.5%
	Load Regulation		±3.0%
	Set-up Time		<2.0S (220Vac input, Full load)
	Hold up Time		>20mS(220Vac input, Full load)
	Temperature Coefficient		±0.03%/℃
	Overshoot and Undershoot		<5.0%
INPUT	Voltage Range		90Vac~264Vac
	Rated Input Voltage Range		100Vac~240Vac
	Frequency Range		47Hz~63Hz
	Power Factor(Typical)		/
	Efficiency (Typical)	120Vac	78%
		230Vac	78%
	AC Current (max.)		0.8A
	Inrush Current (Typical)		<40A@230Vac ; <20A@120Vac Cold start
Leakage Current		Input—output:<0.25mA Input—PG:<3.5mA	
PROTECTION	Over Load		105%~180% of rated output current, auto recover
	Over Voltage		110%-150%, of rated output voltage, constant voltage
	Over Temperature		/
ENVIRONMENT	Operating amb. Temp. & Hum.		-10℃ ~55℃； 20%~90%RH No condensing(refer to the derating curve)
	Storage Temp. & Hum.		-25℃ ~85℃； 10%~95%RH No condensing
SAFETY&EMC Note 3	Safety Standards		/
	Withstand Voltage		Primary-Secondary:3.0KVac; ≤5mA .Primary-PG:1.5KVac; ≤5mA. Secondary-PG:0.5KVac;≤5mA.
	Isolation Resistance		≥100M ohms
	EMI Conduction&Radiation		Compliance to EN55022 ClassA
	Harmonic Current		/
	EMS Immunity		Compliance to EN61000-4-2,3,4,5,6,8,11;ENV50204,light industry level4, criteria A
OTHERS	MTBF (MIL-HDBK-217F)		More than 200,000Hrs (25℃, Full load)
	Dimension (L*W*H)		140×50×30mm
	Packing		/
	Cooling method		Natural cooling
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25℃ of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 3. The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives.		

Mechanical Specification

Unit: mm



AC Input Pin Assignments:

Pin No.	Assignment	Terminal	Mating Housing
1	L	3061P0302TN2 (No PIN 2)	
2	/		
3	N		

DC output Pin Assignments:

Pin No.	Assignment	Terminal	Mating Housing
Vout+	+V	3061P0402T	
Vout-	-V		

Block Diagram

