AC500E-220Sxxx

FEATURES：

- Comply with RoHS standard, UL1950, IEC950 safety procedures
- Wide voltage input range, broadband noise filtering; Low ripple output
- Typical efficiency 82%
- High isolation voltage,short circuit,overload,overheat protection self-recovery
- Miniaturized design
- Fast dynamic response
- Size:230*132*64mm
- Weight:2.4KG
- Widely used in military, communications,industrial control,transportation, electric power, new energy and scientific research and experiment and other fields



Selection Guide

Part No.	INPUT		OUTPUT				CapacitiveLoad(μF)
	Norminal (VAC)	Range (VAC)	Voltage (V1dc)	current (A)	Voltage (V2dc)	current (A)	
AC500E-220S12	220	85-265	12	41.67			
AC500E-220S24			24	20.83			
AC500E-220S28			28	17.86			
AC500E-220S36			36	13.89			
AC500E-220S48			48	10.42			
AC500E-220S110			110	4.55			
AC500E-220S150			150	3.33			

customized accepted,pls contact sales for details

Input Specifications

Input Voltage Range	Input Voltage Range（Vac）	Nom(Vac)	Max（Vac）
	85-265	220	265

Output Specifications

Item	Min	Typ	Max	Test Conditions
Voltage Accuracy		±1%		
Voltage Adjust Rate		±0.2%		
Load Regulation		±0.5%		
Auxiliary Voltage Accuracy		±3%		
Ripple&Noisy		±1%		
Temperature Regulation		±0.02%/℃		
Over Current Protect	120%		150%	
Short Circuit Protect	Burp type, self-recovery			
Dynamic Response	400μS		25% load	

Gerneral Specifications

Isolation Resistor	200MΩ	Input-Output
Isolation Voltage	1500VAC	Input-Output
	1000VAC	Input-Case
	500VDC	Output-Case

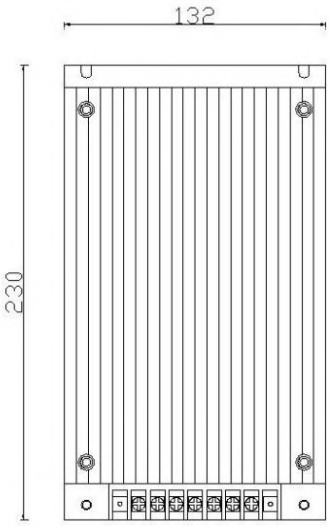
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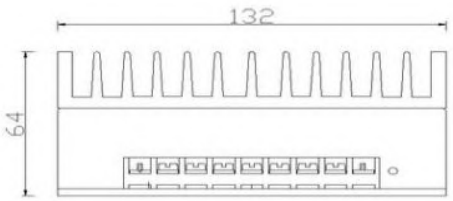
AC500E-220Sxxx

Switching Frequency	300KHz	Mil HDBK 217F Tc=25℃
MTBF	200000Hrs	
Case Temperature	-40~+100℃	
Storage Temperature	-55~+125℃	
Relative Humidity	5%-90%	
Pin Solder Temperature	250℃	Soldering spot is 1.5mm away from case for 10 seconds
Hand Soldering Time	5s	Iron Temperature 425 ℃
Temperature Coefficient	±0.02%/℃	
Shock	5G	10~55Hz
Cooling	Free Air	
Weight	2.4KG（Typ）	

**Unless specified, otherwise all other parameters are tested under the following conditions: nominal input voltage, pure resistive load, 25℃ room temperature environment.

Dimensions and Recommended Layout





Unit:mm

Noted

Note：

All the testing methods for the indicators in this manual are in accordance with the enterprise standards of our company.

(2)Unless otherwise specified,all the indicators in this manual are measured at Ta=25℃,humidity <75%,nominal input voltage and output rated load.The output characteristic index is for the load under pure resistive conditions.If it is not a pure resistive load,it needs to be specified separately.

(3)If the product operates in a complex environment,it cannot be guaranteed that all performance indicators of the product comply with those in this manual.

(4)Our company can provide customized products for unconventional voltages.For specific requirements,please contact our technical personnel directly.

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