

Typical Performance

FEATURES

- Narrow Input voltage range
- Typical Efficiency :82%
- Switching frequency: 100 KHz
- Overcurrent/Short circuit protection,Self-furbish
- Input-output isolated
- PCB board in-line type installs
- Metal case



3-Years Product Warranty

Technology parameter Test condition:General Nominal Line,Tc=25℃, Rated resistant load unless other wisespecified

Input Feature	Min	Nom	Max	Notes
Input voltage(Vac)	165(200Vdc)	220	265(380Vdc)	N
Frequency range (Hz)	47		440	
Remote ON/OFF				NONE

Output Feature

Voltage accuracy			±1.0%
Line regulation	Nominal load,full voltage input range		±0.1%
Load regulation	Nominal input voltage,20% ~ 100% Nominal load		±0.5%
Ripple and noise	20MHz BM,test by 20M oscillograph		≤1%Vo
Peak deviation	25% Rated load vary	ΔVo1/ Vo1	≤±5.0%
Dynamic response setting time			≤200us

General Feature

Efficiency			82% typical
Switching frequency			100KHz
Operating temperature			-20℃ ~ +55℃
Storage temperature			-40℃ ~ +105℃

Max case temperature			+90℃
Relative humidity			10%~90%
Case material			Metal case
Isolation voltage		Input-Output	2500Vac/1min
		Input-Case	2500Vac/1min
		Output-Case	500Vac/1min
Temperature coefficient			≤±0.03%/℃
Cooling			Natural convection
MTBF	BELLCORE TR332, (25℃)		2X10 ⁵ Hrs

NOTE:

(1)The module working environment temperature more than 55℃ need derating use (- 3W/℃), but the max shell temperature shall not be more than 90℃.

(2)Capacitive load:

The output of the module can be applied electrolytic capacitor, but too much capacity and low ESR may cause the module instability, or cause current limiting point become low,we recommend 100 uF/A of the output capacitance , the current is rated output

Product Nomination Method

exam ple	N A 25 - 220 S 05 J ① ② ③ ④ ⑤ ⑥ ⑦						
①	L:Wide input voltage range: AC85-265V N:Narrow input voltage range: AC165-265V				⑤	S=Single route output, D=Dual route output, T=Triple route output, Q=Quadruple output	
②	Power adaptation mode: A (AC-DC)				⑥	output voltage	
③	Output power(W)				⑦	I: Dual output isolated	
④	Normal input voltage					J:Millitary level	

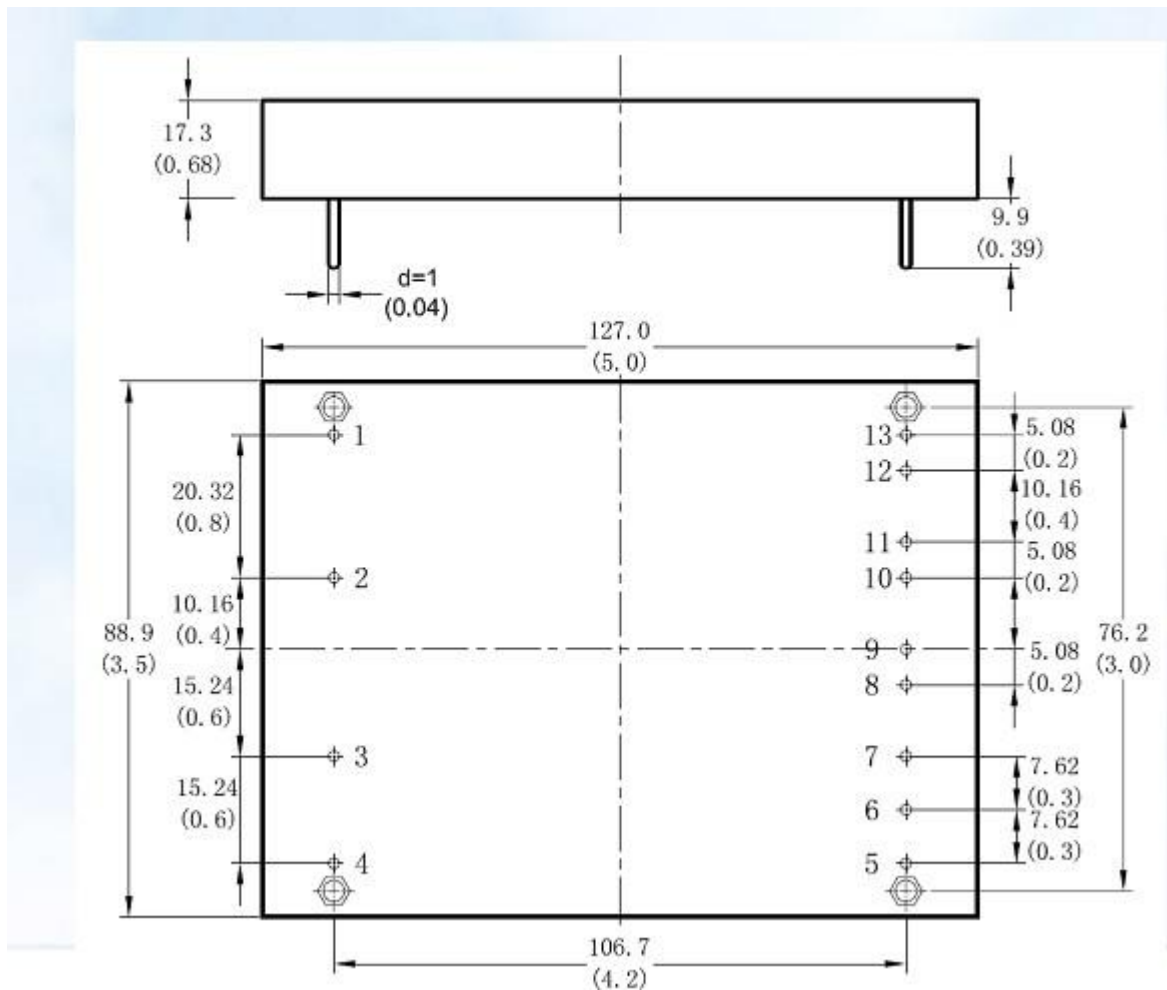
Product Program

PART #	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
LA100-220S05	220V(165~265VAC) 200~380VDC	5V	2000mA				
LA100-220S12		12V	8400mA				
LA100-220S15		15V	6800mA				
LA100-220S18		18V	5556mA				
LA100-220S24		24V	4200mA				
LA100-220S28		28V	3571mA				
LA100-220S48		48V	2083mA				

***NOTE:**

The output ripple noise (peak value) measurement, please reference module test instructions.

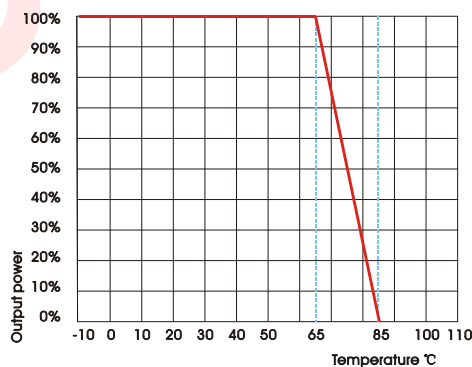
Mechanical Dimension



BOTTOM VIEW

UNIT:mm(inch)

Temperature Curve



Mechanical Data

WATT	L x W x H	Packing No.
100W	127.0 x 88.9 x 17.2mm(5*3.5*0.68inch)	

Pin Assignment

PIN	1	2	3	4	5	6	7	8	9	10
Single O/P	NC	FG	AC(N)	AC(L)	Vout	Vout	NP	NP	GND	GND
	11	12	13							
	+S	TRIM	-S							

Note: The power modules such as the definition of the pin does not match with the hand book, please refer to the actual item.