



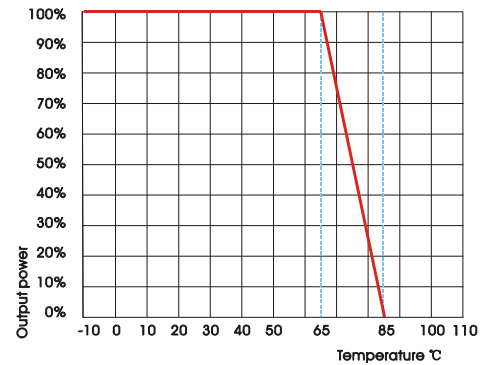
# WA30-50 Series

AC/DC 30-50W

## Typical performance

- Wide Input voltage range
- Typical Efficiency :82%
- Switching frequency : 100KHz
- Overcurrent/Short circuit protection,Self-furbish
- Input-output isolate
- PCB Board in-line type installs
- metal case

## Temperature graph



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

Input feature	Min	Nom	Max	Notes
Input voltage ( Vac )	165(200Vdc)	220	265(380Vdc)	N
	85(120Vdc)	220	265(380Vdc)	W
Frequency range (Hz)	47		440	
Remote ON/OFF	NONE			

## Ouput feature

Voltage accuracy		Vo1 ; Vo2	±1.0% , ±2.0%
Line regulation		Vo1 ; Vo2	±0.2% ; ±0.5%
Load regulation	20% ~ 100%	Vo1 ; Vo2	±0.5% ; ±3.0%
Ripple and noise	20MHz BM full load		
	Vo≤5.0V, ≤80mVp-p	Vo≥48V, ≤180mVp-p	Other≤120 mVp-p
Start delay time	typical		1S

## General feature

Efficiency	Normal input , full load	Vo≤5.0V,80% typical	Vo>5.0V , 82% typical
Switching frequency		100KHz typical	Max 250KHz
Operating temperature		Free air	-20°C ~ +65°C
Storage temperature			-40°C ~ +105°C

Max case temperature			+80°C
Relative humidity			10%~90%
case material			Metal case
Isolation Voltage	Input-output 2.5KV ≤ 10mA/1min		
	Input- case	FG Input-FG	1.5KV ≤ 10mA/1min
MTBF	2X10 <sup>5</sup> Hrs		

### Product Nomination Method

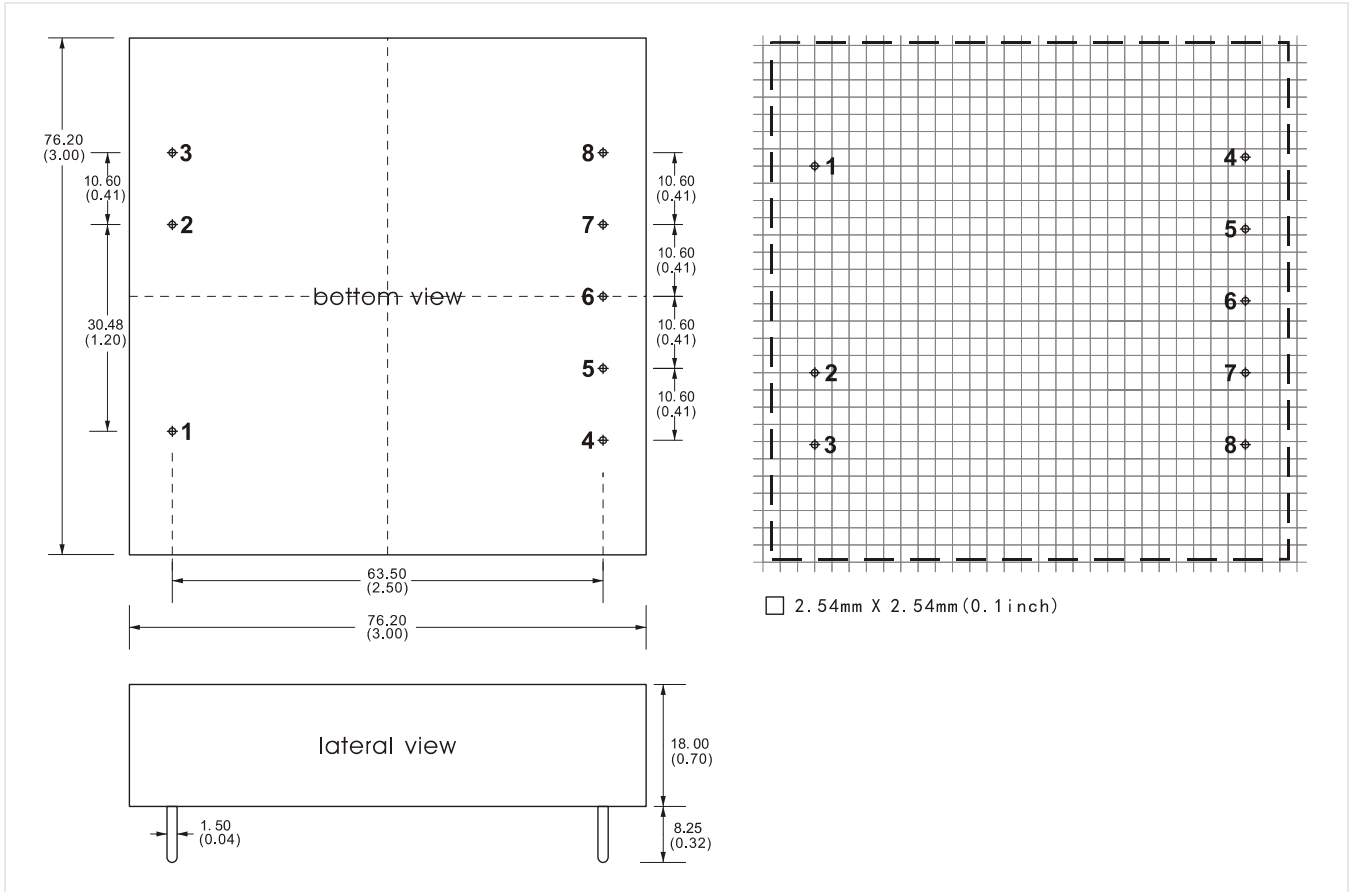
example	W A 25 - 220 S 05 J						
	①	②	③	④	⑤	⑥	⑦
①	Wide input voltage range : AC85-265V			⑤	S=Single route output, D=Dual route output, T=Triple route output, Q=Quadruple output		
②	Power adaptation mode : A ( AC-DC )			⑥	output voltage		
③	Output power(W)			⑦	I: Dual output isolated		
④	Normal input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

### Typical product tabulates

TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
WA30-220S05	85~265VAC 120~380VDC	+5V	6000mA				
WA30-220S12		+12V	2500mA				
WA30-220S24		+24V	1250mA				
WA30-220D05		+5V	3000mA	-5V	3000mA		
WA30-220D12		+12V	1250mA	-12V	1250mA		
WA30-220D24		+24V	625mA	-24V	625mA		
WA40-220S05		+5V	8000mA				
WA40-220S12		+12V	3300mA				
WA40-220S24		+24V	1700mA				
WA40-220D05		+5V	4000mA	-5V	4000mA		
WA40-220D12		+12V	1700mA	-12V	1700mA		
WA40-220D24		+24V	820mA	-24V	820mA		
WA50-220S05		+5V	10000mA				
WA50-220S12		+12V	4200mA				
WA50-220S24		24V	2100mA				

WA50-220D05		+5V	5000mA	-5V	5000mA		
WA50-220D12		+12V	2100mA	-12V	2100mA		
WA50-220D24		+24V	1050mA	-24V	1050mA		

## Mechanical Data



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Power	L x W x H 单位 : mm	Packing No.
30-50W	72.6 x 72.6 x 18.0	300300AC

## Pin Assignments

PIN	1	2	3	4	5	6	7	8		
S	FG	Vin	Vin	-S	TRIM	+S	GND	Vout		
D	FG	Vin	Vin	Vout2	NP	GND	NP	Vout1		
DI	FG	Vin	Vin	-Vout1	+Vout1	NP	-Vout2	+out2		

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