



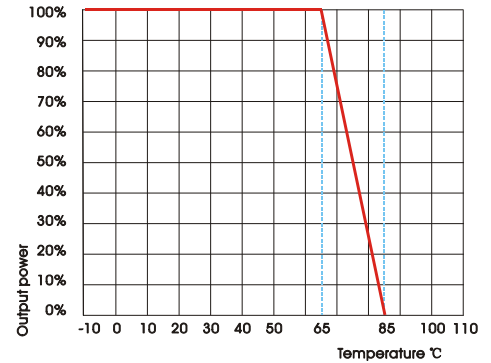
# WA50-75 Series

AC/DC 50-75W

## Typical performance

- Wide Input voltage range
- Typical Efficiency:82%
- Switching frequency : 100 KHz
- 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
Input voltage (Hz)	47		440	
Remote ON/OFF	NONE			

## Output 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

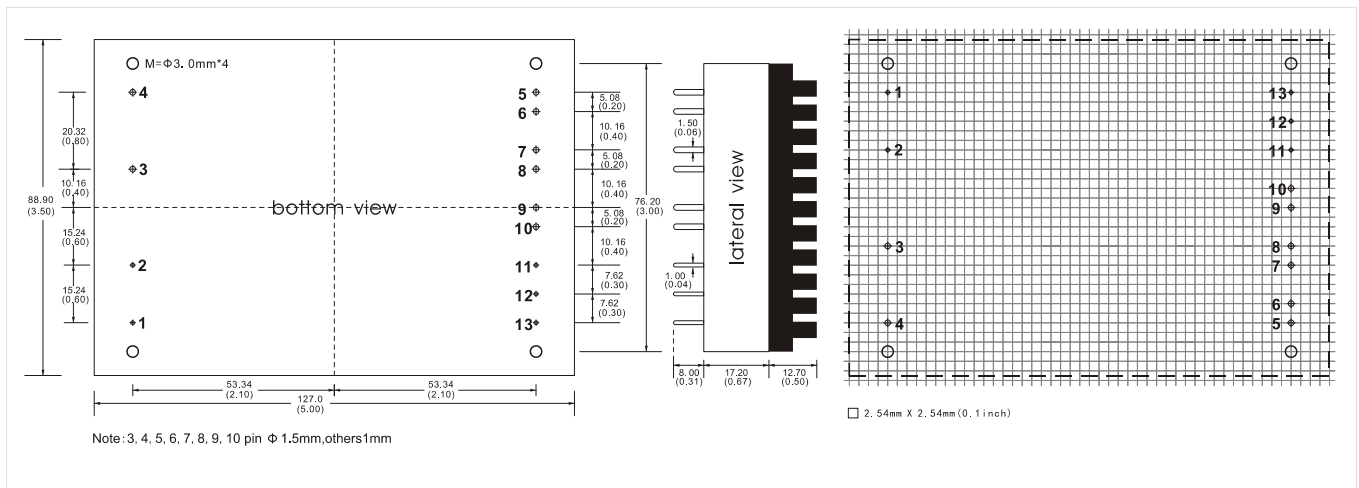
exam ple	W A 25 - 220 S 05 J						
	①	②	③	④	⑤	⑥	⑦
①	Wide input voltage range : AC85-265V				⑤	S=Single route output, D=Dual route output, T=Triple route output, Q=Quadruple output	
②	Power adaptation mode : A ( AC-DC )				⑥	output voltage	
③	Output power(W)				⑦	I: Dual output isolated	
④	Normal input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

### Typical product tabulates

TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
WA50-220S05	85~265VAC 120~380VDC	5V	10000mA				
WA50-220S09		9V	5600mA				
WA50-220S12		12V	4200mA				
WA50-220S15		15V	3300mA				
WA50-220S24		24V	2100mA				
WA50-220S48		48V	1040mA				
WA50-220D05		+5V	5000mA	-5V	5000mA		
WA50-220D09		+9V	2800mA	-9V	2800mA		
WA50-220D12		+12V	2100mA	-12V	2100mA		
WA50-220D15		+15V	1650mA	-15V	1650mA		
WA50-220D24		+24V	1050mA	-24V	1050mA		
WA50-220D48		+48V	520mA	-48V	520mA		
WA75-220S05		5V	15000mA				
WA75-220S09		9V	8300mA				
WA75-220S12	12V	6250mA					

WA75-220S15		15V	5000mA				
WA75-220S24	85~265VAC 120~380VDC	24V	3125mA				
WA75-220S48		48V	1560mA				
WA75-220D05		+5V	7500mA	-5V	7500mA		
WA75-220D09		+9V	4150mA	-9V	4150mA		
WA75-220D12		+12V	3125mA	-12V	3125mA		
WA75-220D15		+15V	2500mA	-15V	2500mA		
WA75-220D24		+24V	1560mA	-24V	1560mA		
WA75-220D48		+48V	780mA	-48V	780mA		

### Mechanical Data



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Packing	L x W x H : mm	Packing No.
	127.0 x 88.9 x 17.2	500350AC

### Pin Assignments

PIN	1	2	3	4	5:6	7:8	9:10	11	12	13
S	NC	FG	AC(N)	AC(L)	+Vo	GND	NC	+S	TRIM	-S
D	NC	FG	AC(N)	AC(L)	+Vo1	COM	-Vo2	+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.