



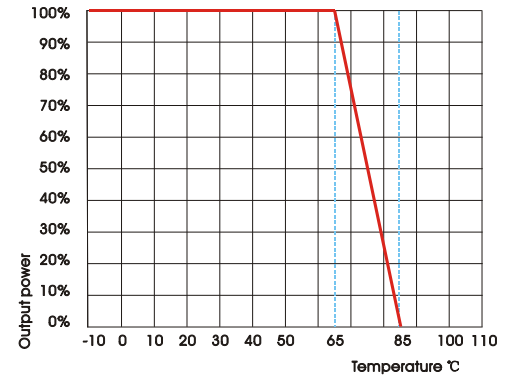
WA5 Series

AC/DC 5W

Typical performance

- Wide Input voltage range
- Typical Efficiency : 75%
- Switching frequency : 60 KHz
- Overcurrent/Short circuit protection,Self-furbish
- Input-output isolate
- PCB Board in-line type installs
- Plastic/Metal case

Temperature graph



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

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,70% Typical	Vo>5.0V , 75% 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			Plastic/Metal case
Isolation Voltage	Input-output 2.5KV ≤ 10mA/1min		
	Input- case	FG Input-FG	1.5KV ≤ 10mA/1min
MTBF	2X10 ⁵ Hrs		

Product Nomination Method

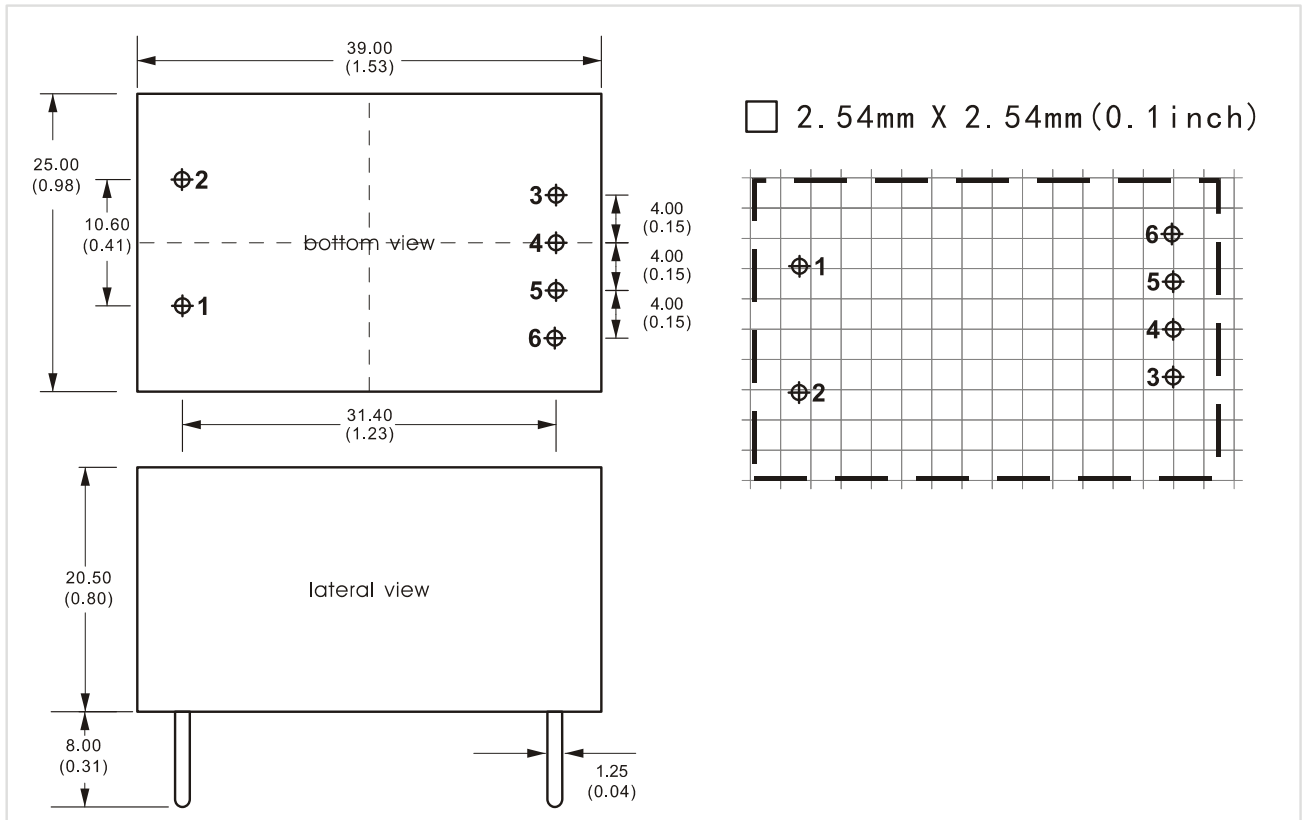
example	W A 25 - 220 S 05 J						
	①	②	③	④	⑤	⑥	⑦
①	Wide input voltage range : AC85-265V				⑤	S=Single route output, D=Dual route output, T=Triple route output, Q=Quadruple output	
②	Power adaptation mode : A (AC-DC)				⑥	output voltage	
③	Output power(W)				⑦	I: Dual output isolated	
④	Normal input voltage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

Typical product tabulates

TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
WA5-220S2V1	85~265VAC 120~380VDC	2.1V	1000mA				
WA5-220S3V3		3.3V	1000mA				
WA5-220S05		5V	1000mA				
WA5-220S06		6V	830mA				
WA5-220S09		9V	550mA				
WA5-220S12		12V	420mA				
WA5-220S15		15V	330mA				
WA5-220S18		18V	280mA				
WA5-220S24		24V	210mA				
WA5-220S48		48V	104mA				
WA5-220D3V3		+3.3V	500mA	-3.3V	500mA		
WA5-220D05		+5V	500mA	-5V	500mA		
WA5-220D06		+6V	420mA	-6V	420mA		
WA5-220D09		+9V	275mA	-9V	275mA		
WA5-220D12		+12V	210mA	-12V	210mA		

WA5-220D15		+15V	165 mA	-15V	165 mA		
WA5-220D24		+24V	100 mA	-25V	100 mA		
WA5-220D48		+48V	50 mA	-48V	50 mA		
.....	85~265VAC 120~380VDC

Mechanical Data



Mechanical Data

Packing	L x W x H : mm	Packing No.
	39.0 x 25.0 x 20.5	

Pin Assignments

PIN	1	2	3	4	5	6				
S	AC(N)	AC(L)	+Vout	NP	GND	NP				
D	AC(N)	AC(L)	+Vo1	COM	-Vo2	NP				
DI	AC(N)	AC(L)	+Vo1	GND1	GND2	+Vo2				

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