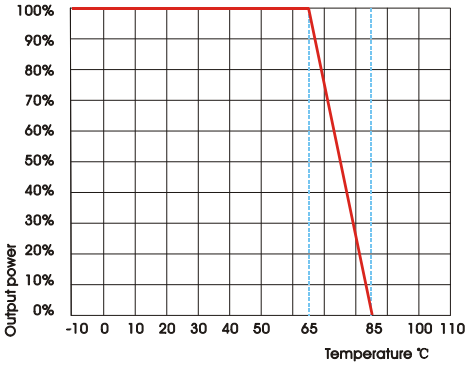
Typical performance

- □ Wide Input voltage range
- □ Typical Efficiency ：70%
- ⊙ Switching frequency：60 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℃，Rated resistant load unless other wise specified

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，Vo3；	±1.0%，±2.0%
Line regulation		Vo1；Vo2，Vo3；	±0.2%；±0.5%
Load regulation	20% ~ 100%	Vo1；Vo2，Vo3；	±0.5%；±3.0%
Ripple and noise	20MHz BM full load （remark： the ripple >normal on size: 50.8*25.4*11.2mm ）		
	Vo≤5.0V, ≤80mVp-p	Vo≥48V, ≤180mVp-p	Other≤120 mVp-p
Start delay time	typical		1S

General feature

Efficiency	noral input,full load	Vo≤5.0V,75% typical	Vo>5.0V，77% typical
Switching frequency		100KHz typical	Max 250KHz
Operating temperature		Free air	-20℃ ~ +65℃
Storage temperature			-40℃ ~ +105℃
Max case temperature			

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	$2X10^5$Hrs		

Product Nomination Method

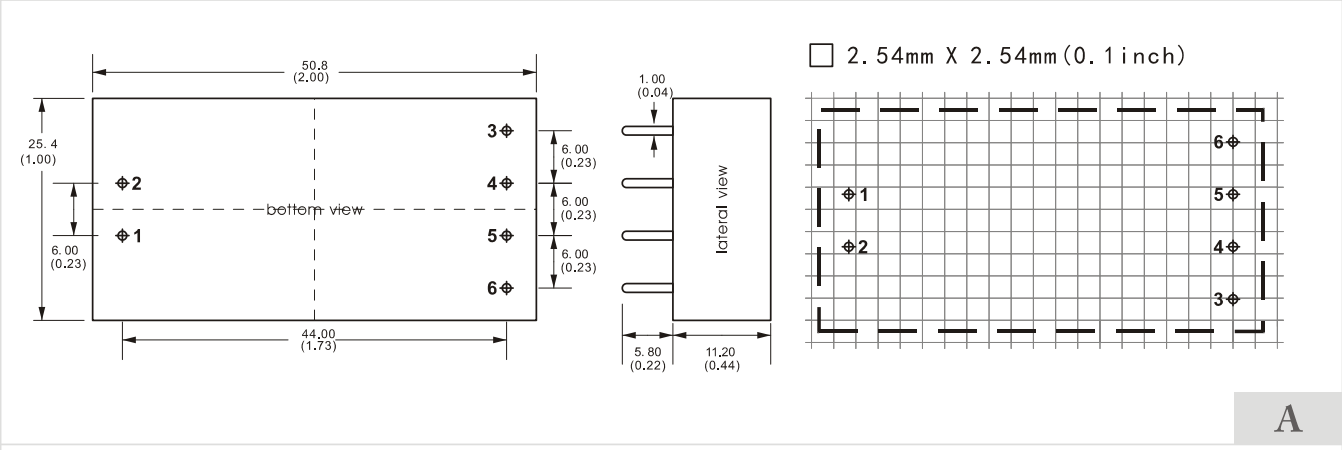
example	W A 25 – 220 S 05 J ① ② ③ ④ ⑤ ⑥ ⑦		
①	Wide input voltage range：AC85-265V	⑤	S=Single route output, D=Dual route output, T=Triple route output, Q=Quadruple output
②	Power adaptation mode：A (AC-DC)	⑥	output voltage
③	Output Power(W)	⑦	I: Dual output isolated
④	Normal input voltage		J:Millitary level

Typical product tabulates

TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
WA3-220S2V1	85~265VAC 120~380VDC	2.1V	600mA				
WA3-220S3V3		3.3V	600mA				
WA3-220S05		5V	600mA				
WA3-220S06		6V	500mA				
WA3-220S09		9V	330mA				
WA3-220S12		12V	250mA				
WA3-220S15		15V	200mA				
WA3-220S18		18V	160mA				
WA3-220S24		24V	120mA				
WA3-220S48		48V	60mA				
WA3-220D3V3		+3.3V	300mA	-3.3V	300mA		
WA3-220D05		+5V	300mA	-5V	300mA		
WA3-220D06		+6V	250mA	-6V	250mA		
WA3-220D09		+9V	165mA	-9V	165mA		
WA3-220D12		+12V	125mA	-12V	125mA		
WA3-220D15		+15V	100 mA	-15V	100 mA		

WA3-220D24		+24V	60 mA	-25V	60 mA		
WA3-220D48	85~265VAC 120~380VDC	+48V	30 mA	-48V	30 mA		
WA3-220D05I		+5V	300 mA	-5V	300 mA		
WA3-220S5S12I		+5V	350 mA	+12V	100 mA		

Mechanical Data



Mechanical Data

Packing type	L x W x H : mm	Packing No.
A	50.8 x 25.4 x 11.2	200100AC
B	38.0 x 18.0 x 18.0	

Pin Assignments

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

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