

**Typical performance**

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


**Technology parameter**

Test condition: General Nominal Line, Tc=25 °C, Rated resistant load unless other wise specified

Input	Min(Vac)	Nom(Vac)	Max(Vac)	Notes
Vac Input voltage	85(120Vdc)	220	265(380Vdc)	W
Frequency range Hz	47		440	
Remote ON/OFF	No Remote			

**Output**

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

**General**

Efficiency		Vo≤5.0V,72%	Vo>5.0V, 75%
Switching frequency		60KHz	
Operating temperature		Free air	-25°C ~ +65°C
Storage temperature			-40°C ~ +105°C
Max case temperature			+90°C
Relative humidity			10%~90%
Case material			Metal case
Isolation Voltage	Input-output 2.5KV ≤1.5mA/1min ; Input- case Input-FG 1.5KV≤ 1.5mA/1min		

MTBF

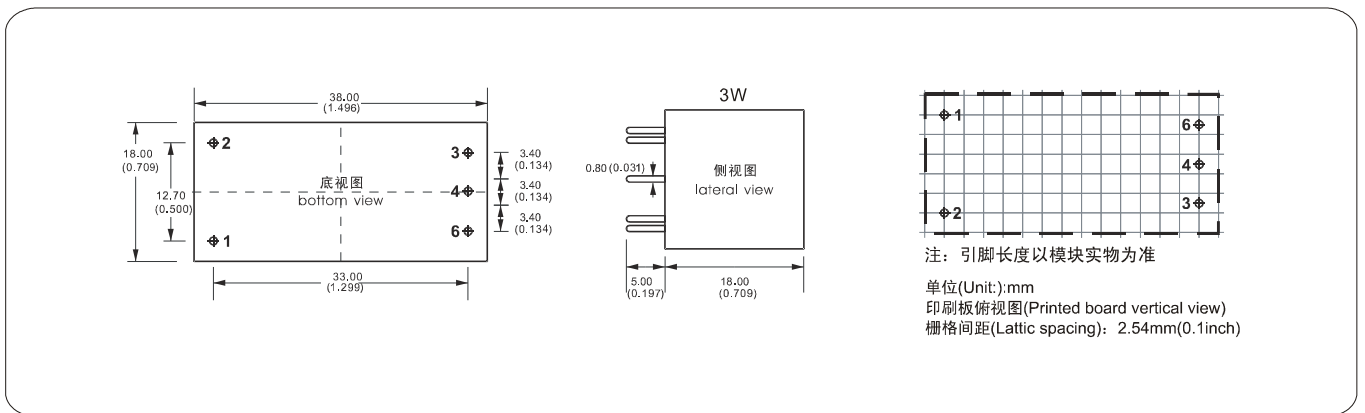
2X10<sup>5</sup>Hrs

**Typical product tabulates**

TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
WA3-220S05A3	85~265VAC 120~380VDC	5V	600mA				
WA3-220S09A3		9V	330mA				
WA3-220S12A3		12V	250mA				
WA3-220S15A3		15V	200mA				
WA3-220S24A3		24V	120mA				
WA3-220S48A3		48V	60mA				
WA3-220D05A3		+5V	300mA	-5V	300mA		
WA3-220D06A3		+6V	250mA	-6V	250mA		
WA3-220D09A3		+9V	165mA	-9V	165mA		
WA3-220D12A3		+12V	125mA	-12V	125mA		
WA3-220D15A3		+15V	100 mA	-15V	100 mA		
WA3-220D24A3		+24V	60 mA	-24V	60 mA		

Due to space limitations ,the above list is only for some products, If other than a list of products, please contact the Company's sales department.

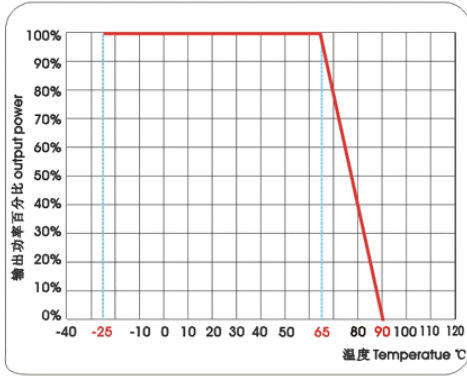
**Mechanical Data**



**Mechanical Data**

Packing Series No	L x W x H	
A3	38.00 × 18.00 × 18.00mm	1.496 × 0.709 × 0.709inch

### Typical Temperature Curve



### Pin Assignments

Single	1	2	3	4	6
	AC(N)	AC(L)	+Vout	NP	GND
Dual	1	1	3	4	6
	AC(N)	AC(L)	+Vo1	COM	-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.