

**Typical performance**

- ◆ Wide Input voltage range
- ◆ Typical Efficiency (典型 80%)
- ◆ Switching frequency: 60-100 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	165(200Vdc)	220	265(380Vdc)	N
Input voltage	85(120Vdc)	220	265(380Vdc)	W
Frequency range Hz	47		440	
Remote ON/OFF	No Remote			

**Output**

Voltage accuracy		Vo1; Vo2, Vo3;	±1.0%, ±3.0%
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		
	Vo≤5.0V, ≤80mVp-p	Vo≥48V, ≤180mVp-p	Other≤120 mVp-p
Turn-on delay time			1S

**General**

Efficiency		Vo≤5.0V, 78%	Vo>5.0V, 80%
Switching frequency		60-100KHz	
Operating temperature		Free air	-25°C ~ +65°C
Storage temperature			-40°C ~ +105°C
Max case temperature			+90°C
Relative humidity			10%~90%

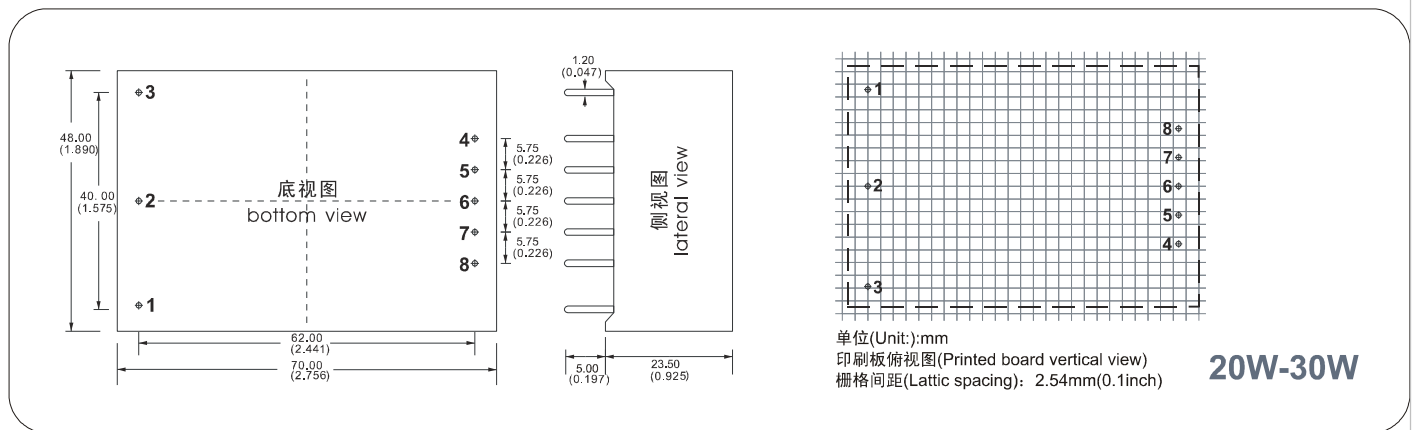
Case material				Metal case
Isolation Voltage	Input-output 2.5KV $\leq$ 1.5mA/1min; Input- case    Input-FG    1.5KV $\leq$ 1.5mA/1min			
MTBF	2X10 <sup>5</sup> Hrs			

### Typical product tabulates

TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
WA20-220S05H1	85~265VAC 120~380VDC	5V	4000mA				
WA20-220S12H1		12V	1670mA				
WA20-220S24H1		24V	840mA				
WA20-220D05H1		+5V	2000mA	-5V	2000mA		
WA20-220D12H1		+12V	830mA	-12V	830mA		
WA20-220D24H1		+24V	415mA	-24V	415mA		
WA25-220S05H1		5V	5000mA				
WA25-220S12H1		12V	2100mA				
WA25-220S24H1		24V	1000mA				
WA25-220D05H1		+5V	2500mA	-5V	2500mA		
WA25-220D12H1		+12V	1040mA	-12V	1040mA		
WA25-220D24H1		+24V	520mA	-24V	520mA		
WA30-220S05H1		5V	6000mA				
WA30-220S12H1		12V	2500mA				
WA30-220S24H1		24V	1250mA				
WA30-220D05H1		+5V	3000mA	-5V	3000mA		
WA30-220D12H1		+12V	1250mA	-12V	1250mA		
WA30-220D24H1		+24V	625mA	-24V	625mA		

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.

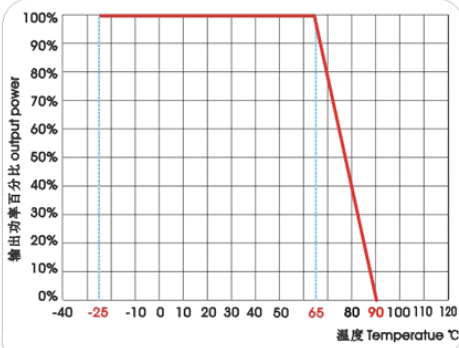
## Typical products tabulates



## Mechanical Data

Packing Series No	L x W x H	
H1	70.0 x 48.0 x 23.5 mm	2.756 × 1.890 × 0.925inch

## Typical Temperature Curve



## Pin Assignments

Pin No	1	2	3	4	5	6	7	8
Single	FG	AC(N)	AC(L)	+Vo	NP	NP	NP	GND
Dual	FG	AC(N)	AC(L)	+Vo1	NP	COM	NP	-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.