

**Typical performance**

- ◆ Wide Input voltage range (2:1)
- ◆ Typical Efficiency 92%
- ◆ Switching frequency: 300KHz
- ◆ Over current/Short circuit protection, Self-furbish
- ◆ Input-output isolate (1500Vdc)
- ◆ Board in-line type installs
- ◆ Aluminum baseplate, Low Output Ripple
- ◆ High power density


**Technology parameter**

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

Input	Min(v)	Nom(v)	Max(v)	Notes
Vdc Input voltage	36	48	72	2:1
Remote ON/OFF(Low level remote)	ON	Low level or connect ground-Turn on		(1-5mA)
	OFF	High level or vacant-Turn off		(0mA)
Input undervoltage protection	Lower than the low-input voltage protection , Self-furbish			

**Output**

Voltage accuracy			Vo1	±1.0%
Line regulation	Nominal Load, full voltage range		Vo1	±0.2%
Load regulation	20% ~ 100%		Vo1	±0.5%
Ripple and noise	20MHz BM ≤ 200mVp-p (Full Load)			
Dynamic response	25% Nominal load step change		ΔVo1/Δt	±3.0/200μ s%
Voltage adjust	Nominal output		TRIM	-40% ~ ±20% Adjustable
Turn-on delay time	Typical value			≤200mS

**General**

Efficiency	Nominal input, Full load			92% Typical
Switching frequency			300KHz Typical	MAX 330KHz
Board temperature			Free air	-40°C ~ +100°C
Storage temperature				-50°C ~ +125°C

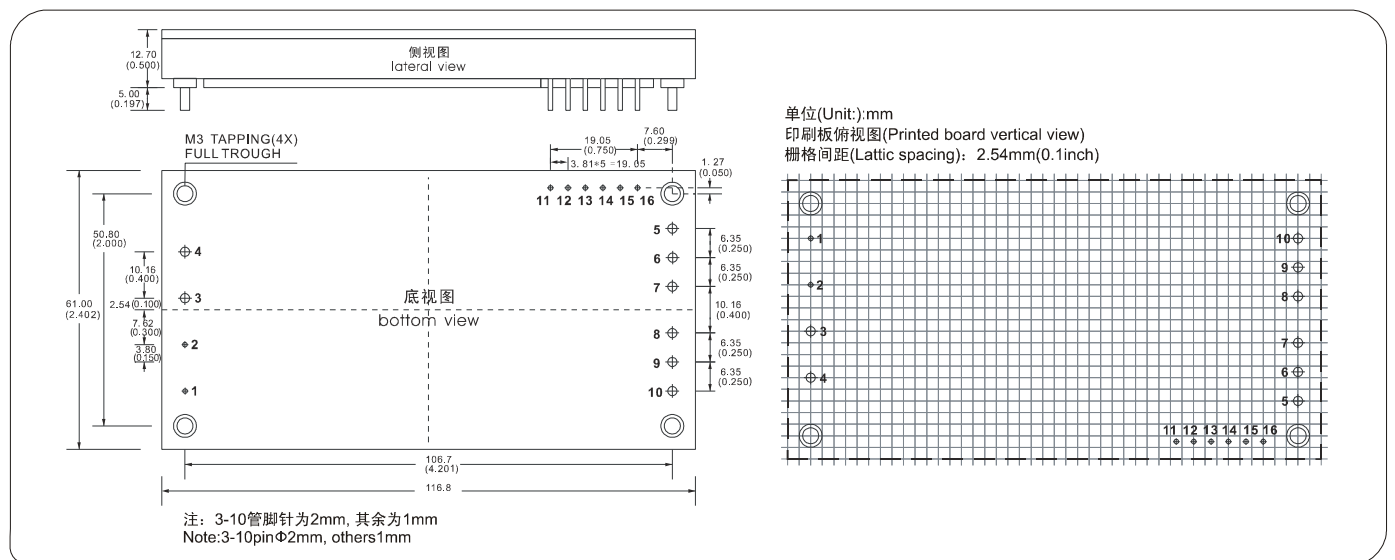
Relative humidity		10%~90%
Case material	Aluminum baseplate	
Isolation Voltage	Input-output 1500 Vdc $\leq$ 0.5mA/1min; Input-case 500Vdc $\leq$ 0.5mA / 1min	
MTBF	3X10 <sup>5</sup> Hrs	

### Typical product tabulates

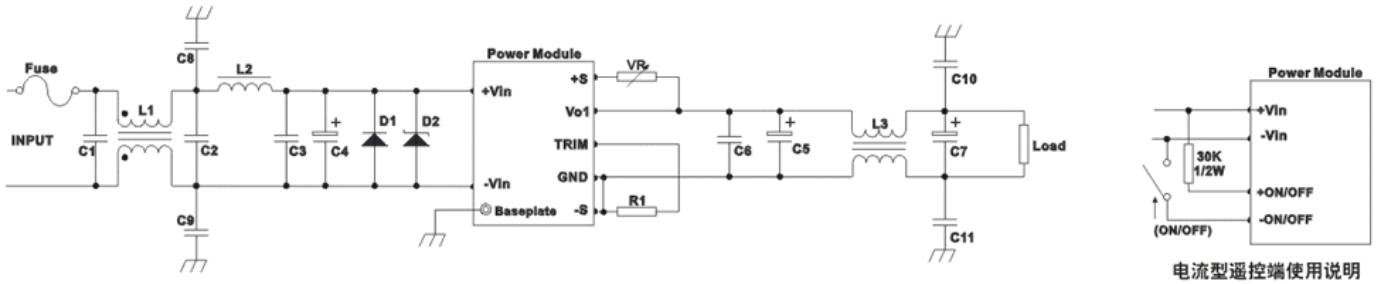
TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
WD350-□S28R1	48V (36~72V)	28V	12500mA				
WD500-□S28R1		28V	17800mA				
WD600-□S28R1		28V	21400mA				
WD700-□S28R1		28V	25000mA				

□ Shows the nominal value of input voltage, 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



## Typical Application



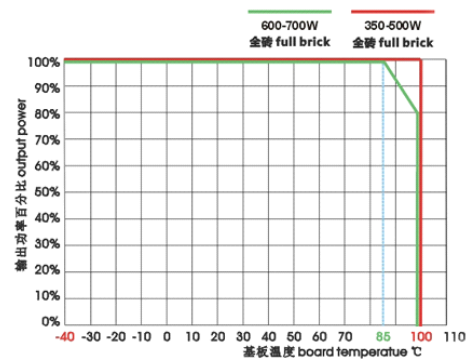
1. Fuse为30A/250V的保险丝。
2. C1、C2、C3为1uF；C6为10uF的高频瓷片电容或聚酯电容（注意耐压的选择）
3. C4为470uF、100Vdc；C5、C7为470uF/50Vdc的铝电解电容。
4. C8、C9、C10、C11为0.15uF/1500Vdc的安规Y电容。
5. L1为输入共模滤波电感：1mH。
6. L2为输入差模滤波电感：5.6uH。
7. D1为防反压二极管，符合指标100V/30A。
8. D2为瞬态吸收二极管，选型：P8KE75A。
9. L3为输出共模电感或EMI滤波器。
10. VR为50KΩ电位器，R1为6.8KΩ电阻。
11. PCB板布线时，输出引线应尽可能宽，且线间距不宜过大，输出滤波电路应尽可能与模块电源靠近，以降低干扰。
12. 客户可根据自己的实际情况，对输入输出滤波器的参数进行调试。

电流型遥控端使用说明

## Mechanical Data

Packing Series No	L x W x H	
R1	116.84 × 61.00 × 12.70mm	4.600 × 2.402 × 0.500inch

### TYPICAL TEMPERATURE CURVE



### Pin Assignments

	1	2	3	4	5:6:7	8:9:10
Single	+ON/OFF	-NO/OFF	+Vin	-Vin	-Vo	+Vo
	11	12	13	14	15	16
	AUX	IOG	PC	TRIM	+S	-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.