



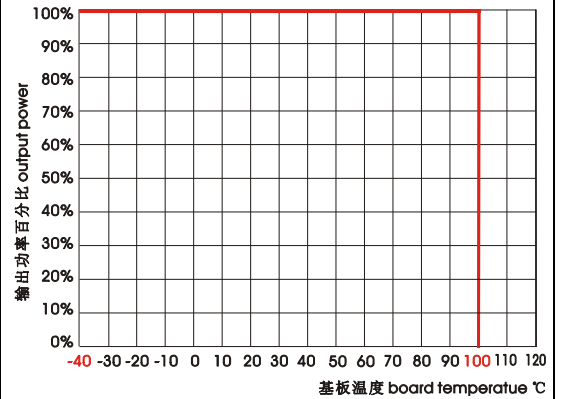
WD200-350 Series

DC/DC 半砖 half brick 200-350W

Typical performance

- ◆ Wide Input voltage range (2:1)
- ◆ Typical Efficiency 92%
- ◆ Switching frequency: 300KHz ± 30 KHz
- ◆ Over current/Short circuit protection, Self-furbish
- ◆ Input-output isolate (1500Vdc)
- ◆ PCB Board in-line type installs
- ◆ High power density

Temperature graph



Technology parameter (Test condition : Unless otherwise indicated, specifications apply over all operating input voltage, resistive load, and temperature conditions)

Input	Min	Nom	Max	Notes
VDC Input voltage	36	48	72	2:1
Remote (Negative logic control)		OFF	High level or vacant	3.5Vdc ~ 35Vdc
		ON	Low level or connect ground	-0.75Vdc ~ 1.5Vdc
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% rated voltage	Vo1	±0.5%
Ripple and noise	20MHz BM (Full Load) Vo≤5.0V, ≤50mVp-p; Vo≥48V, ≤180mVp-p; Other, ≤100mVp-p;		
Dynamic response	25% Nominal load step change(increase or reduce)	ΔVo1/Δt	±3.0/200us%

Voltage adjust	Nominal output	TRIM	±10%(adjust)
Start delay time	Typical value		≤200mS

General

Efficiency	Nominal input, Full load	Vo≤5.0V,89%(Typical)	Vo>5.0V, 90%(Typical)
Switching frequency		300KHz (Typical)	Max 330KHz
Board temperature		Free air	-40℃ ~ +100℃
Storage temperature			-50℃ ~ +125℃
Relative humidity			10%~90%
case material			aluminum baseplate
Isolation Voltage	Input-output 1500Vdc; input/output-baseplate 500Vdc		
(MTBF)	3X10 ⁵ Hrs		

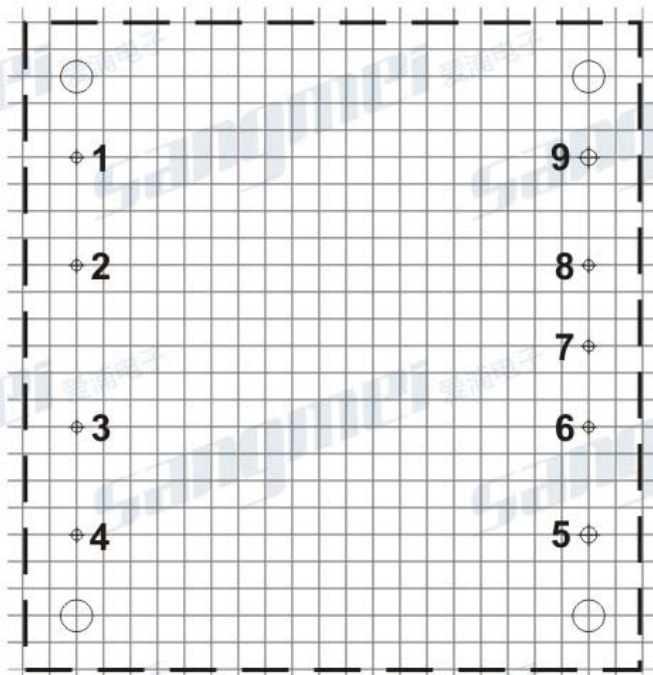
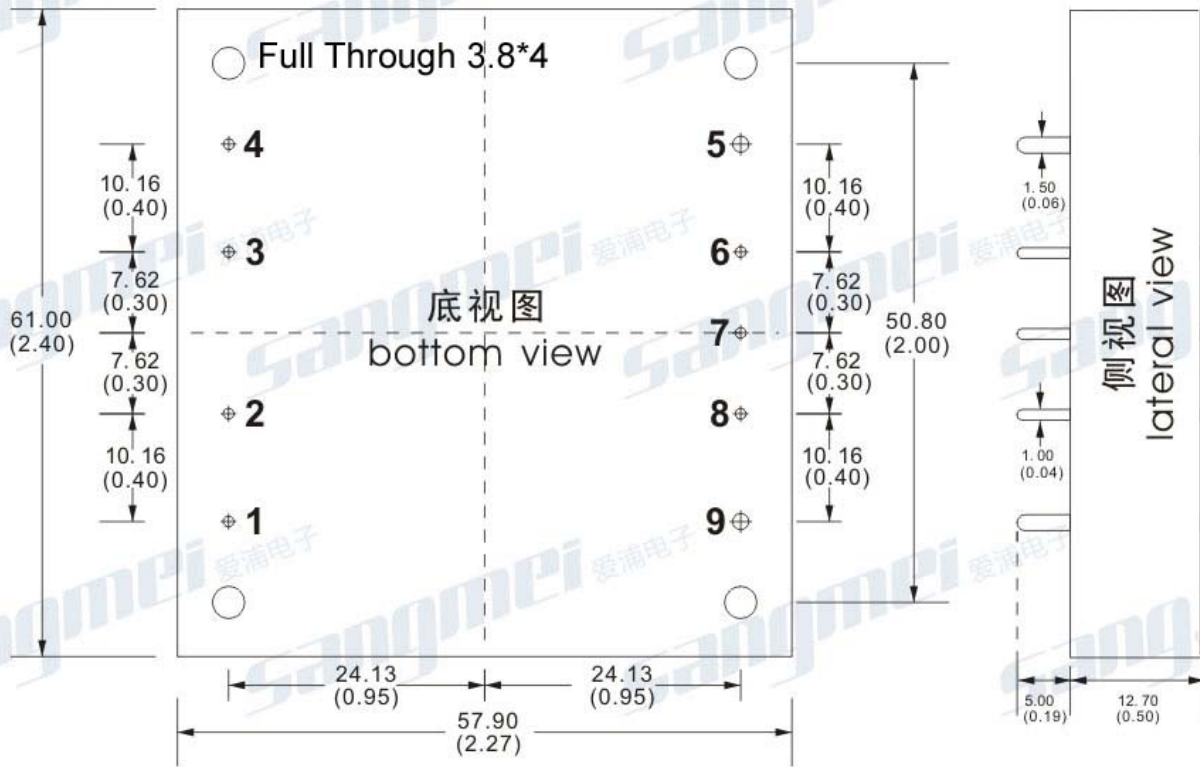
Product Nomination Method

Example	W D 200 - 48 S 28 ① ② ③ ④ ⑤ ⑥		
①	Wide range voltage input: 2:1	④	Input voltage
②	Power convert mode D (DC-DC)	⑤	S: Single output
③	Output Watt	⑥	Output voltage

Typical product tabulates

TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	A	V	A	V	A
WD200-48S28	48 V (36~72V)	28V	7.14A				
WD250-48S28		28V	8.93A				
WD300-48S28		28V	10.71A				
WD350-48S28		28V	12.50A				

Mechanical Data



单位: mm

印刷板俯视图

栅格间距: 2.54mm (0.1 inch)

Mechanical Data

Package Code	L x W x H (unit): mm	Package No
Half Brick	61.00 x 57.90 x 12.70	228240DC

Pin Assignments

Pin No	1	2	3	4	5	6	7	8	9	
Single	+Vin	ON/OFF	CASE	-Vin	GND	-S	TRIM	+S	+Vout	

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