



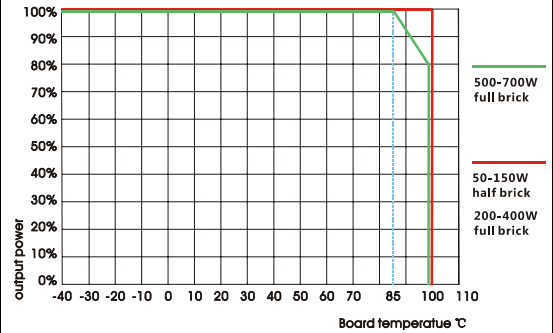
# WD200-700 Series

DC/DC 全砖 full brick 200-700W

## Typical performance

- ⊙ Wide Input voltage range (2:1)
- ⊙ Typical Efficiency: 90%
- ⊙ Switching frequency: 300KHz ± 30 KHz
- ⊙ Overcurrent/Short circuit protection, Self-furbish
- ⊙ Input-output isolate (1500Vdc)
- ⊙ PCB Board in-line type installs
- ⊙ High power density

## Temperature graph



**Technology parameter** Test condition: General Nominal Line, Tc=25°C, Rated resistant load unless other wispecified

Input Features	Min	Nom	Max	Notes
Input voltage(Vac)	18	24	36	W 2:1 only for half brick
	36	48	72	W 2:1
	72	110	144	W 2:1 only for half brick
Turn on voltage	3.5Vdc		+Vin	converter guaranteed on when REM pin is left open
Turn off voltage	0		0.3Vdc	
Remote ON/OFF(Full brick)			On	(1-5mA)
			off	(0mA)

Under voltage protect

## Output Features

Voltage accuracy		Vo1	±1.0%
Line regulation		Vo1	±0.2%
Load regulation	20% ~ 100%	Vo1	±0.5%
Ripple and noise	20MHz BM Vo≤5.0V, ≤50mVp-p; Vo≥48V, ≤180mVp-p; Other, ≤100mVp-p;		
Dynamic response	25%	ΔVo1/Δt	±3.0/200us%
Voltage adjust(Half brick)	Standard output voltage	TRIM	±10% (adjustable)

Voltage adjust(Full brick)	Standard output voltage	TRIM	-40%~+20% (adjustable)
Start delay time	typical		≤200mS

## General Features

Efficiency	Normal input , full load	Vo≤5.0V,86% 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		aluminium baseplate	
Isolation Voltage	Input-output 1500Vdc; input/output-baseplate 500Vdc		
MTBF	3X10 <sup>5</sup> Hrs		

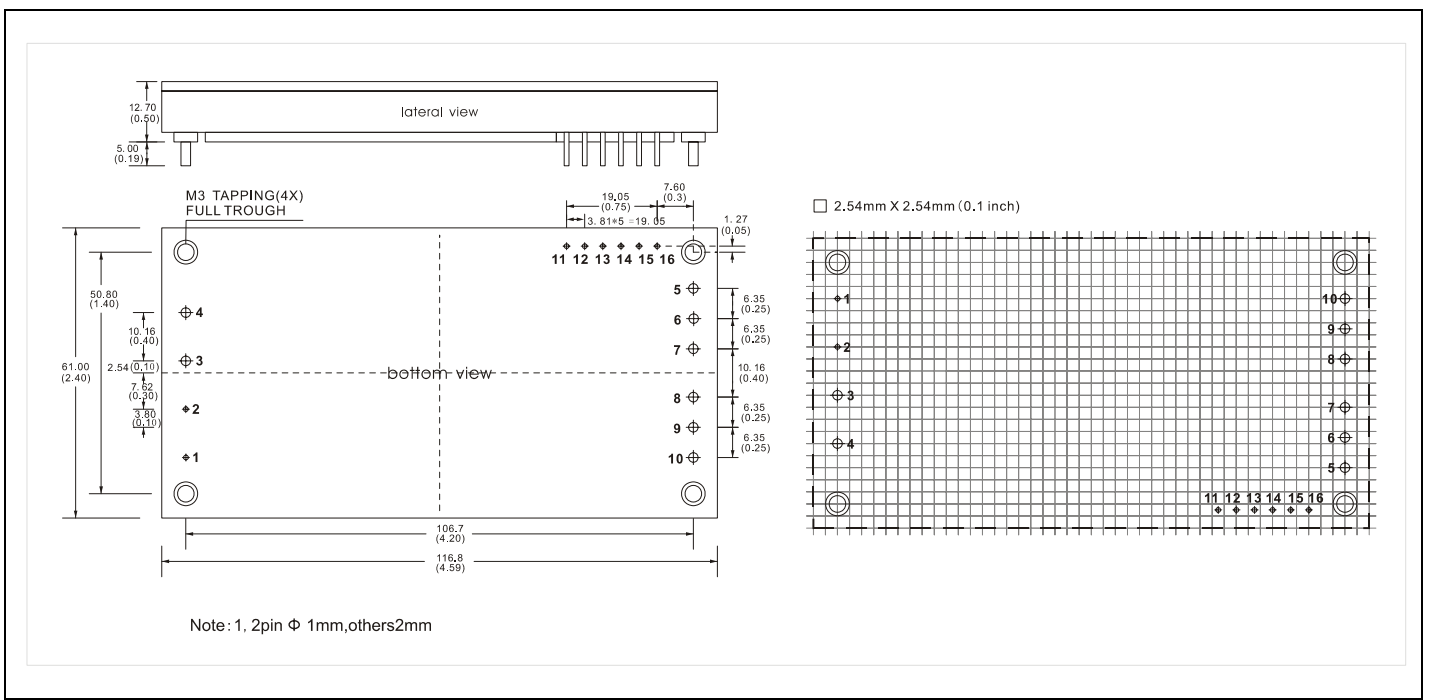
## Product Nomination Method

example	W D 200 - 48 S 12 ① ② ③ ④ ⑤ ⑥		
①	Wide voltage input: 2: 1	④	output voltage
②	Power adaptation mode: D (DC-DC)	⑤	S=Single route output
③	Output power(W)	⑥	output voltage

## Typical product tabulates

TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	A	V	A	V	A
WD350-□S12	24 V (18~36V) 48 V (36~72V) 110 V (72~144V)	12V	29 A				
WD350-□S28		28V	12.5A				
WD500-□S12		12V	41.6A				
WD500-□S28		28V	17.8A				
WD600-□S12		12V	50 A				
WD600-□S28		28V	21.4 A				
WD700-□S12		12V	58.3A				
WD700-□S28		28V	25A				

## Mechanical Data



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Packing	L x W x H : mm	Packing No.
brick	116.84 x 61.0 x 12.70	460240DC

## Pin Assignments

PIN	1	2	3	4	5:6:7	8:9:10	11	12	13	14
S	+on/off	-on/of	+Vin	-Vin	-Vo	+ Vo	AUX	IOG	PC	TRIM
PIN	15	16								
S	+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.