

Typical performance

- ◆ Wide Input voltage range (2:1)
- ◆ Typical Efficiency 85%
- ◆ Switching frequency: 300KHz
- ◆ Over current/Short circuit protection, Self-furbish
- ◆ Input-output isolate
- ◆ Board in-line type installs
- ◆ Metal case, Low Output Ripple



Technology parameter

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

Input	Min(v)	Nom(v)	Max(v)	Min(v)
Vdc Input voltage	9	12	18	2:1
	18	24	36	2:1
	36	48	72	2:1
	72	110	144	2:1
Remote ON/OFF(Low level remote)	ON	High level or vacant-Turn on		3.5Vdc ~ +Vin
	OFF	Low level or connect ground-Turn off		≤0.3Vdc
Input undervoltage protection	Lower than the low-input voltage protection , Self-furbish			

Output

Voltage accuracy		Vo1,Vo2,Vo3	± 1.0%, ±3.0%
Line regulation	Nominal Load,full voltage range	Vo1,Vo2,Vo3	± 0.2%, ±1.5%
Load regulation	20% ~ 100%	Vo1,Vo2,Vo3	± 0.5%, ±4.0%
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	ΔVo1/Δt	± 4.0/500μ s%
Voltage adjust	Nominal output	TRIM	± 10% Adjustable
Turn-on delay time	Typical value		≤200mS

General

Efficiency	Nominal input, Full load	$V_o \leq 5.0V, 80\%$ Typical	$V_o > 5.0V, 85\%$ Typical
Switching frequency		300KHz Typical	MAX 330KHz
Operating temperature	Free air	Industrial Level	-25℃ ~ +55℃
		Military Level	-40℃ ~ +85℃
Storage temperature		Industrial Level	-40℃ ~ +105℃
		Military Level	-55℃ ~ +120℃
Max case temperature		Industrial Level	+100℃
		Military Level	+110℃
Relative humidity			10%~90%
case material	Metal case		
Isolation Voltage	Input-output 1500 Vdc $\leq$ 0.5mA/1min; Input-case 500Vdc $\leq$ 0.5mA / 1min		
MTBF	2X10 ⁵ Hrs		

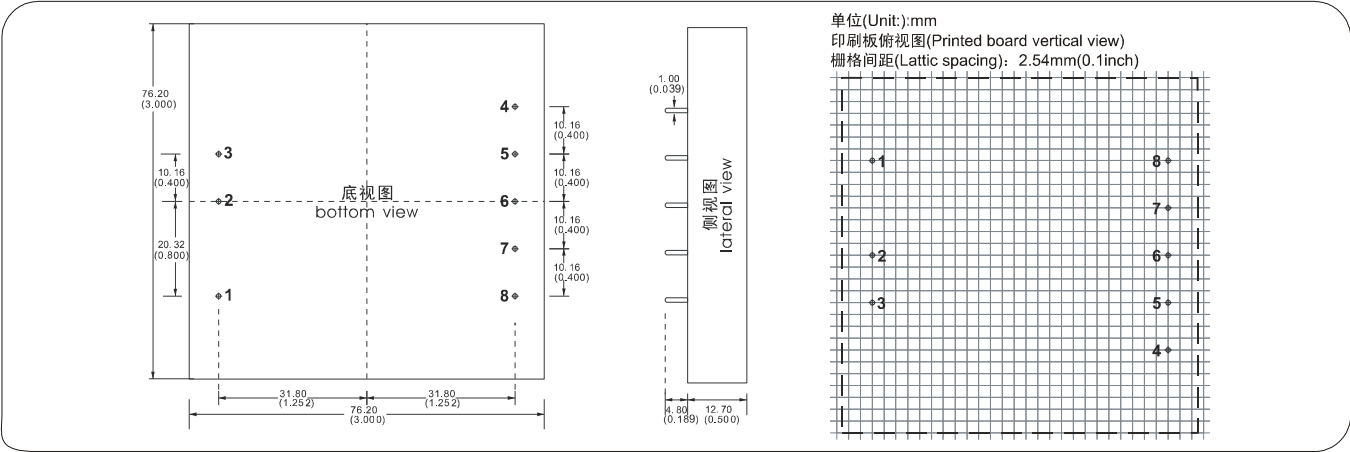
Typical product tabulates

TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
WD30-□S05H1	12 V (9~18V) 24V (18~36V) 48V (36~72V) 110V (72~144V)	5V	6000mA				
WD30-□S12H1		12V	2500mA				
WD30-□S15H1		15V	2000mA				
WD30-□S24H1		24V	1250mA				
WD30-□D05H1		+5V	3000mA	-5V	3000mA		
WD30-□D12H1		+12V	1250mA	-12V	1250mA		
WD30-□D15H1		+15V	1000 mA	-15V	1000 mA		
WD30-□D24H1		+24V	625 mA	-24V	625 mA		
WD40-□S05H1		5V	8000 mA				
WD40-□S12H1		12V	3300 mA				
WD40-□S15H1		15V	2670 mA				
WD40-□S24H1		24V	1660 mA				
WD40-□D05H1		+5V	4000 mA	-5V	4000 mA		
WD40-□D12H1		+12V	1660 mA	-12V	1660 mA		
WD40-□D15H1		+15V	1330 mA	-15V	1330 mA		

WD40-□D24H1		+24V	830 mA	-24V	830 mA		
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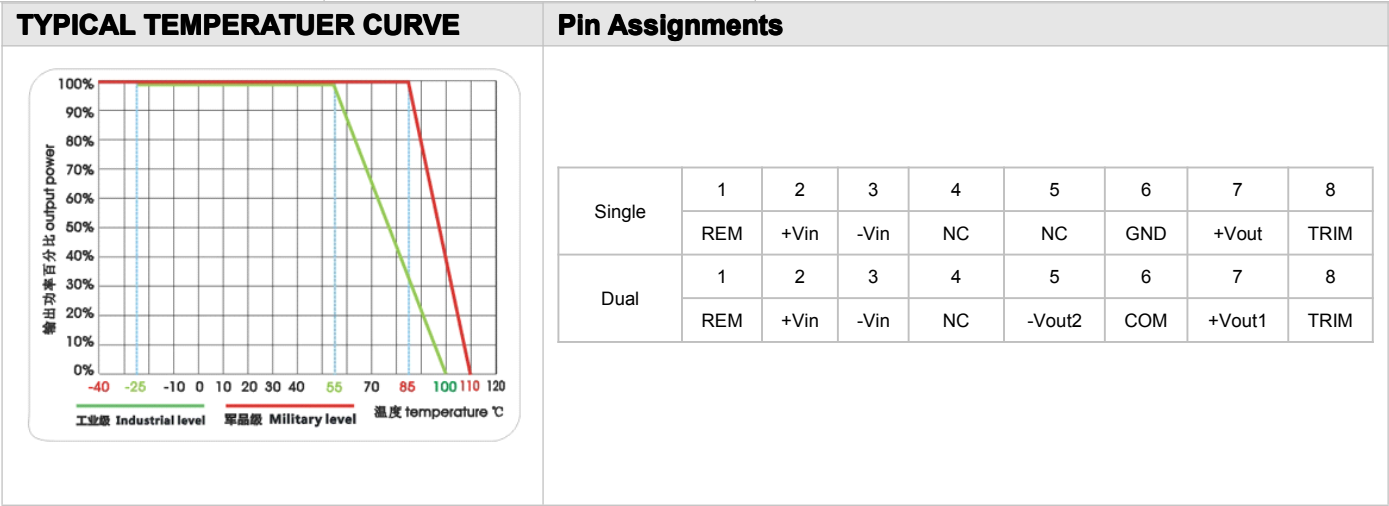
□ Shows the nominal value of input voltage, due to space limitations ,the above list is only for some products, If other than a list of products, please contact the Company's sales department.

Mechanical Data



Mechanical Data

Packing Series No	L x W x H	
H1	76.20 × 76.20 × 12.70mm	3.000× 3.000 × 0.500inch



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