

Typical Performance

FEATURES

- Ultra Input voltage range (4:1),min watt 0.1W,max 1W
- Typical Efficiency:80%
- Switching frequency: 300KHz
- Short circuit protection,Self-furbish
- I/O isolation 1500VDC
- SIP8 package
- Postive voltage accuracy:±1%(typ)
- Negative voltage accuracy:±3%(typ)
- Line regulation (Vin from low to high): ±0.2%(typ)
- Load regulation (10%-100% load) :±0.5%
- Ripple&noise(20MHz Band width) <75mVp-p
- Temperature drift(100% full load):±0.03%/°C(max)
- Switching Frequency(Full load,nominal input):300Khz(PFM)
- Storage Temperature:-55°C~+125°C
- Isolation Resistance:1000MΩ/1min
- Cooling:Free aire convection



3-Years Product Warranty

WP 1	XX	S	XX	S/S3
① ②	③	④	⑤	⑥
①Series name				
②Output watt				
③Normal input voltage				
④Single output				
⑤Output voltage				
⑥I/O isolation(S:1KV,no S:1.5KV,S3:3KV)				

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

Input Feature	Min	Nom	Max	Note
Input voltage(Vdc)	9	18	36	W 4:1
	18	36	72	W 4:1

Output Feature

Voltage accuracy	positive	Vo2	typ ±1.0%,max ±3.0%
	negative	Vo2	typ±3.0%,max ±5.0%
Line regulation		Vo2	typ±0.2%,max±0.5%
Load regulation		Vo2	typ±0.5%,max±1%
Ripple and noise			Typ75mV,max150mV
Temperature Regulation			±0.03%/°C

General Feature

Efficiency			80% typical
Switching frequency			300KHz
Operating temperature			-40℃ ~ +85℃
Storage temperature			-55~125℃
Insulation resistance			1000M ohm
Storage humidity			95%
Work temperature			Type 15℃,max 25℃
Pin wedding temperature			300℃
Cooling			Nature cooling
case material			UL94-VO
Weight			5.8g
MTBF	10X10 ⁵ Hrs		

Product Nomination Method

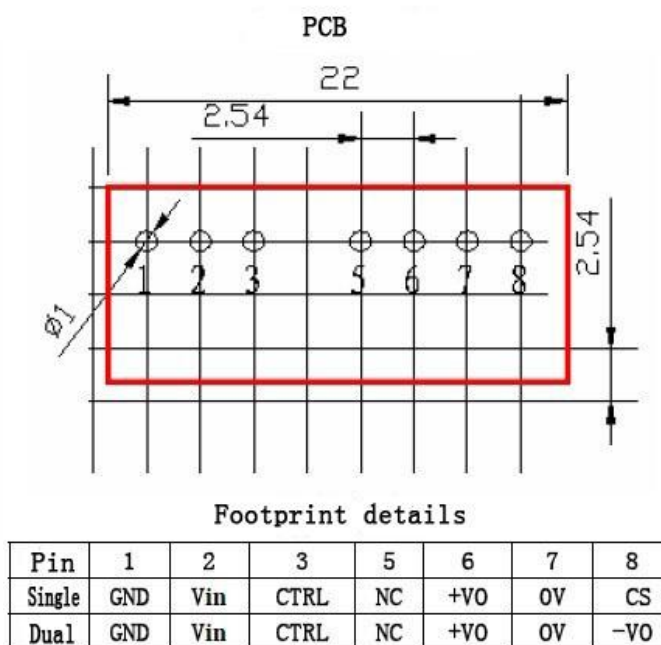
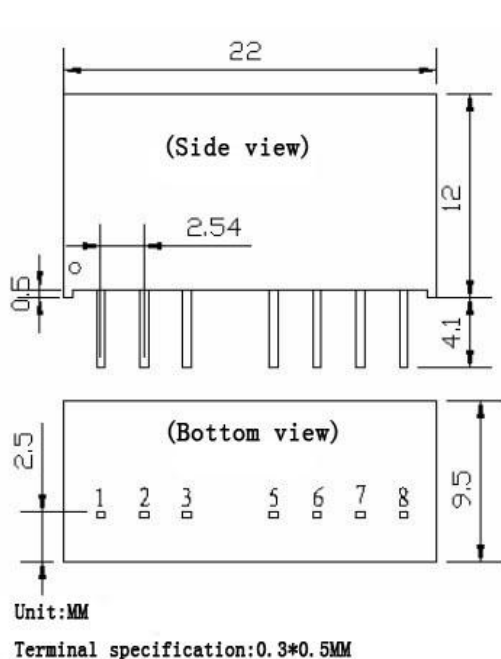
exam ple	W P 1 - 48 S 05 I ① ② ③ ④ ⑤ ⑥ ⑦						
①	W:Ultra voltage input: 4: 1			⑥	output voltage		
②	Power adaptation mode: D（DC-DC）			⑦	I: Dual Route output Isolate		
③	Output power(W)				W: Super Wide input voltage		
④	Normal input voltage						
⑤	S=Single route output, D=Dual route output, T=Triple route output, Q=Quadruple output						

Product Program

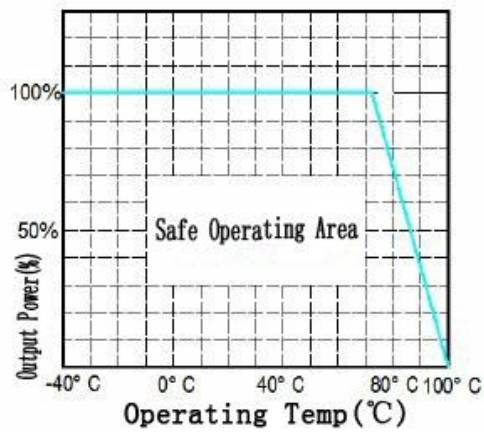
PART #	Input voltage range	Output voltage / current					
		VO					
		V	mA(min)	mA(max)			
WP1-18S05	18V (9~36V)	5V	20	200			
WP1-18S09		9V	11	111			
WP1-18S12		12V	8	73			
WP1-18S15		15V	6	67			
WP1-18D05		±5V	±10	±100			
WP1-18D09		±9V	±5	±56			
WP1-18D12		±12V	±4	±42			

WP1-18D15	36V(18~72V)	±15V	±3	±34				
WP1-36S05		5V	20	200				
WP1-36S09		9V	11	111				
WP1-36S12		12V	8	73				
WP1-36S15		15V	6	67				
WP1-36D05		±5V	±10	±100				
WP1-36D09		±9V	±5	±56				
WP1-36D12		±12V	±4	±42				
WP1-36D15		±15V	±3	±34				

Mechanical Dimension



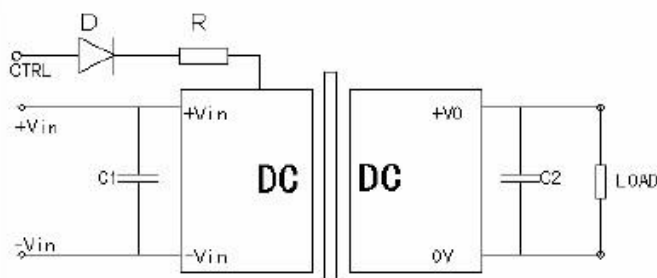
Typical Temperature Curve



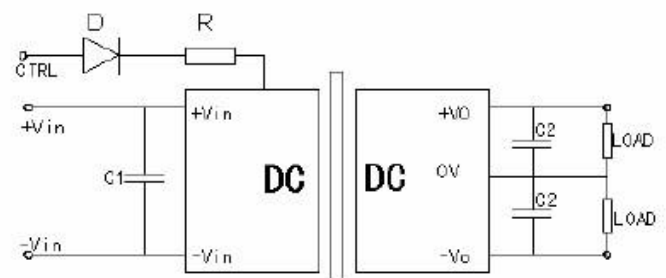
Mechanical Data

Packing Code	L x W x H	Packing No.
A	22 x 12 x 9.5mm	

Recommend Circuit



single output



dual output

C2 select

Single O/P	C2	Dual O/P	C2
5V	1000uF	±5V	680uF
9V	680 uF	±9V	330uF
12V	470uF	±12V	330uF
15V	330 uF	±15V	220uF

Application Note

(1) In addition to the load can not exceed the maximum load (full load) the use of this product, also can not be less than the minimum load (10% full load). When use, to ensure that the entire input voltage range, the minimum output load is not less than 10% of full load. If the actual load is less than the rated load, this DC / DC converter output ripple may dramatically increase the efficiency will be greatly reduced, and then can't meet the data in spec. To make sure more reliable, and if your circuit load demand for power is indeed small, pls add the an appropriate resistor to increase the load, or contact our company to use the product of the rated output smaller power.

(2) This product does not support hot-swappable, and can not be used in parallel.