Typical Features
◆Wide Input voltage range 2:1
◆Typical Transfer Efficiency 87%
◆Switching frequency: 300KHz
◆Over current/Short circuit protection, Self-recovery
◆Input-output isolated
◆PCB Mounting
◆Metal case, Low Output Ripple

Test Condition: Unless otherwise specified, data in the datasheet should be tested under the conditions of inputting nominal voltage, pure resistance rated load and Ta=25℃.

Input Specifications	Min(v)	Nom(v)	Max(v)	Notes
Input Voltage Vdc	9	12	18	2:1
	18	24	36	2:1
	36	48	72	2:1
	72	110	144	2:1
Remote Control (Low level remote)	ON	High level or Suspended		3.5Vdc ~ +Vin
	OFF	Low level or connect to ground- Switch off		≤0.3Vdc
Input Under Voltage Protection	Lower than the low side of input voltage, output switch off, Self-recovery			

Output Specifications			
Output Voltage Accuracy		Vo1	±1.0%(typ.)
Line Regulation	Nominal Load, full voltage range	Vo1	±0.2%
Load Regulation	20% ~ 100% nominal load	Vo1	±0.5%
Ripple & Noise	20MHz BM Full Load Vo≤5.0V, ≤50mVp-p; Vo≥48V, ≤180mVp-p; Other, ≤100mVp-p		
Dynamic Response	25% Nominal load step change	△Vo1/△t	±4.0/500μ s%
Output Voltage Adjustment	Nominal output voltage	TRIM	±10% Adjustable
Turn-on Delay Time	Typical value		≤200mS

General Specifications			
Switching Frequency		300KHz Typical	MAX 330KHz
Operating Temperature	Free air convection		-25℃ ~ +55℃

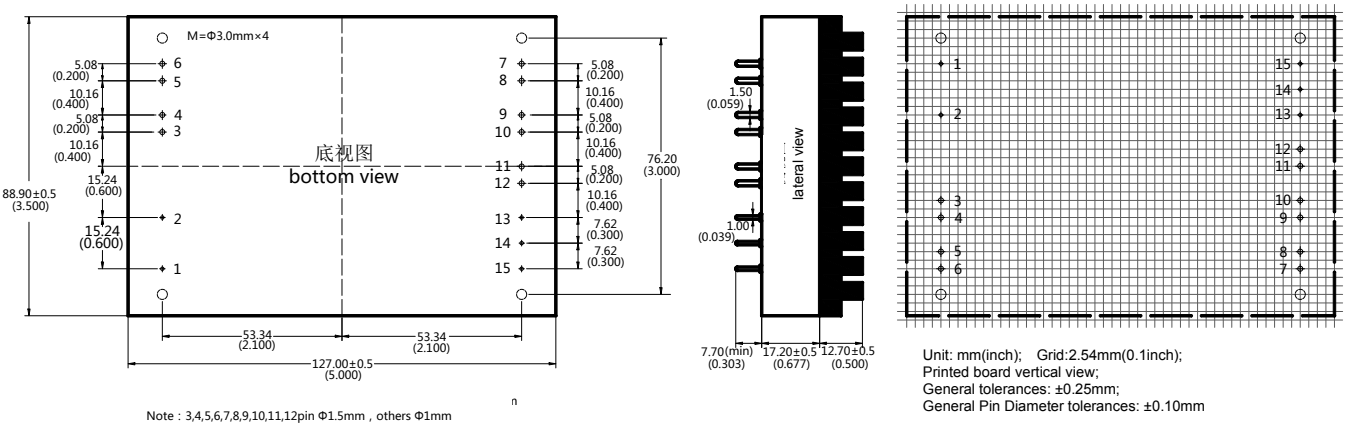
Storage Temperature			-40℃ ~ +105℃
Max Case Temperature			+100℃
Relative Humidity			10%~90%
Case Material	Meta case		
Isolation Voltage	Input-output 1500 Vdc ≤ 0.5mA/1min; Input-case 500Vdc ≤ 0.5mA / 1min		
Meantime Between Failures	$2X10^5$Hrs		

Typical Product List

Part No.	Input Voltage Range	Output Voltage/ Current		Input Current (mA) Nominal Voltage	Max. Capacitive Load	Efficiency (Typ.)
		Voltage(Vdc)	Current(mA)	Full load (mA)	μF	%
WD100-12S05N1	12 V (9~18V)	5	20000	10163	5000	82
WD100-12S12N1		12	8333	9579	4000	87
WD100-12S24N1		24	4166	9470	1000	88
WD150-12S12N1		12	12500	14368	4000	87
WD150-12S24N1		24	6250	14205	1000	88
WD100-24S05N1	24V (18~36V)	5	20000	4902	5000	85
WD100-24S12N1		12	8333	4735	4000	88
WD100-24S24N1		24	4166	4735	1000	88
WD150-24S12N1		12	12500	7102	4000	88
WD150-24S24N1		24	6250	7102	1000	88
WD150-24S48N1		48	3125	7069	680	88
WD100-48S05N1	48V (36~72V)	5	20000	2541	5000	82
WD100-48S12N1		12	8333	2395	4000	87
WD100-48S24N1		24	4166	2367	1000	88
WD150-48S12N1		12	12500	3592	4000	87
WD150-48S24N1		24	6250	3551	1000	88
WD100-110S05N1	110V (72~144V)	5	20000	1070	5000	85
WD100-110S12N1		12	8333	1033	4000	88
WD100-110S24N1		24	4166	1033	1000	88
WD100-110S48N1		48	2100	1015	580	88
WD150-110S12N1		12	12500	1550	4000	88
WD150-110S24N1		24	6250	1550	1000	88
WD150-110S48N1		48	2100	1465	580	88

Note: due to space limitations ,above is only a part of our product list, please contact our sales team for more items.

Packing Dimension



Pin Function

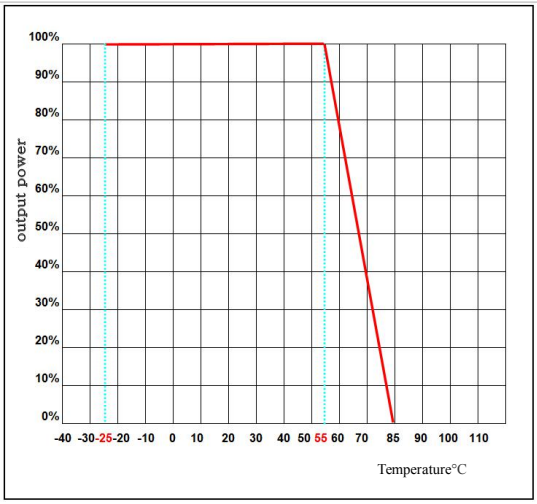
Single	1	2	3:4	5:6	7:8	9:10	11:12	13	14	15
(S)	REM	CASE	-Vin	+Vin	+Vout	GND	NP	+S	TRIM	-S

Note: If the definition of pin is not in accordance with the model selection manual, please refer to the label on actual item.

Packing Dimension

Packing Code	L x W x H	
N1	127.00 × 88.90 × 17.20mm	5.000 × 3.500 × 0.677inch

Temperature Curve



Ripple& Noise Test: (Twisted Pair Method 20MHZ bandwidth)

(1)12# twisted pair to connect, Oscilloscope bandwidth set as 20MHz, 100M bandwidth probe, terminated with 0.1uF polypropylene capacitor and 47uF high frequency low resistance electrolytic capacitor in parallel, oscilloscope set as Sample pattern.

(2) Input terminal connect to power supply, output terminal connect to electronic load through jig plate, Use 30cm±2 cm sampling line, Power line selected from corresponding diameter wire with insulation according to the flow of output current.