

FEATURES :

- 40 Watt 2"X2" DIL Package
- 4:1 Wide Input Voltage
- 100% Burned In
- High Efficiency To 90%
- Customized Solutions Available
- Remote Control:On/Off
- UL94V-0 Package Material
- Operating Temperature:-40°C TO +82°C
- 3 Years Warranty

Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Input Voltage	Input Current		Output Voltage	Output Current	Efficiency	Capacitor Load
	Vdc	No-Load (mA TYP)	Full Load (mA TYP)	Vdc	Full Load (mA)	%TYP	uF Max
99DW-24S03R2NL	9-36	100	1544	3.3	10000	89	16000
99DW-24S05R2NL	9-36	110	1851	5	8000	90	10000
99DW-24S12R2NL	9-36	40	1875	12	3300	88	2000
99DW-24S15R2NL	9-36	40	1882	15	2650	88	1000
99DW-24D12R2NL	9-36	40	1897	±12	±1670	88	±1000
99DW-24D15R2NL	9-36	40	1903	±15	±1340	88	±680
99DW-48S03R2NL	18-75	70	763	3.3	10000	89	16000
99DW-48S05R2NL	18-75	80	925	5	8000	90	10000
99DW-48S12R2NL	18-75	30	937	12	3300	88	2000
99DW-48S15R2NL	18-75	30	941	15	2650	88	1000
99DW-48D12R2NL	18-75	30	948	±12	±1670	88	±1000
99DW-48D15R2NL	18-75	30	951	±15	±1340	88	±680

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Types				4:1	
Filter	Pi Network				
Protection	Fuse Recommended				
Remote ON/OFF	DC-DC ON (Referred to -Vin pin)	1.3	OPEN	3	Vdc
	DC-DC OFF	0		1.2	Vdc

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DC-DC Converter

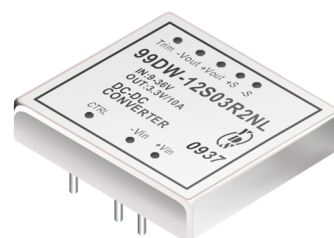
99DW-R2 SERIES

40Watt 1.5KV Isolated

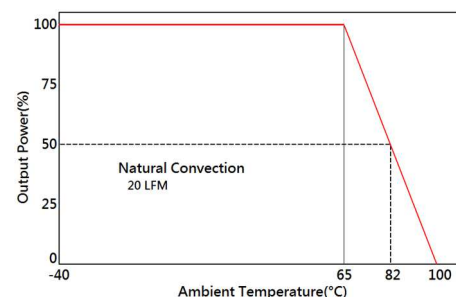
4 : 1 Input Voltage Range

Single & Dual Output

2" x 2"



Temperature Derating Graph



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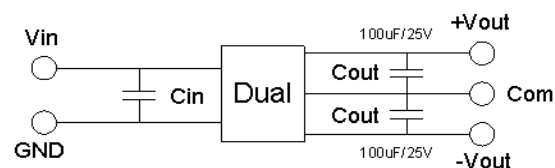
Rev:0 2018/10/31

Part Number

<u>99DW - 24</u>	<u>S</u>	<u>05</u>	<u>R</u>	<u>2</u>	<u>NL</u>
A	B	C	D	E	F

A: Series
B: Input Voltage
C: Single Output(S),Dual(D)
D: Output Voltage
E: Regulated(R)
F: Package
G: RoHs Version

24V&48V: Cin 10uF,100V



24V & 48V : Cin 10 μ F, 100V

Dimensions

The diagram shows the orthographic projection of a rectangular plate. The front view (top) has a width of 51.0 and a height of 26.0. The top view (bottom) has a width of 51.0 and a height of 45.72. The plate has eight holes, numbered 1 through 8. The holes are arranged in two rows of four. The top row of holes (1, 2, 3, 4) is 5.08 from the right edge. The bottom row of holes (5, 6, 7, 8) is 5.08 from the left edge. The distance between the two rows of holes is 7.62. The distance between the holes in each row is 10.16. The distance from the right edge to the first hole in the top row is 23.0. The distance from the left edge to the first hole in the bottom row is 7.62. The side view (right) shows a thickness of 5.6 (minimum) and a total width of 10.3 ± 0.5. The side view also shows a hole with a diameter of $\varnothing 1 \pm 0.05$.

Unit : mm
Tolerance : XX.X+0.5 , XX.XX+0.25

Pin	1	2	3	4	5	6	7	8
Single	+Vin	-Vin	Remote On/Off	-Sense	+Sense	+Vout	-Vout	Trim
Dual	+Vin	-Vin	Remote On/Off	+Vout	Com	Com	-Vout	Trim