

2 TO 15 WATTS - W SERIES

Linear, Low Noise Supply

FEATURES

- Linear Design
- Single, Dual, and Triple Outputs
- Low Output Ripple and Noise
- Encapsulated Supply
- Output Current Limiting
- Continuous Short Circuit Protection
- Various Mounting Options
- Ten Year Warranty

THE W SERIES FROM WALL INDUSTRIES

The W Series features extremely low output ripple and excellent line and load regulation. The encapsulated modular devices offer the advantages of ultra-compact size, ruggedness, and proven reliability. This series provides a basic low cost alternative to powering DC logic circuits, A to D and D to A converters, op amps, and other instrumentation from an AC source.



SPECIFICATIONS: W SERIES

All specifications apply @ +25 C ambient unless otherwise noted.

INPUT SPECIFICATIONS

Input Voltages105-125VAC(see options for alternates)
 Input Frequency50-440Hz
 Remote On/Off ControlN/A

OUTPUT SPECIFICATIONS

Output CurrentSee table
 Output Voltage Tolerance..... $\pm 1\%$
 Output Trim (external)N/A
 Line Regulation (LL-HL) $\pm 0.05\%$
 Load Regulation (NL-FL) $\pm 0.1\%$
 Short Circuit ProtectionCurrent Limiting
 Over Voltage Protection.....N/A
 Ripple/Noise (20MHz BW)<1mV RMS
 Transient ResponseN/A

GENERAL SPECIFICATIONS

Efficiency.....60% (typical)
 Isolation Voltage (input to output)1500V RMS
 Isolation Resistance (input to output)100MW
 Switching FrequencyLinear

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature-25 to +85°C (case)
 Storage Temperature-55 to +100°C
 Humidity (non-condensing).....20% to 95% R.H.

PHYSICAL SPECIFICATIONS

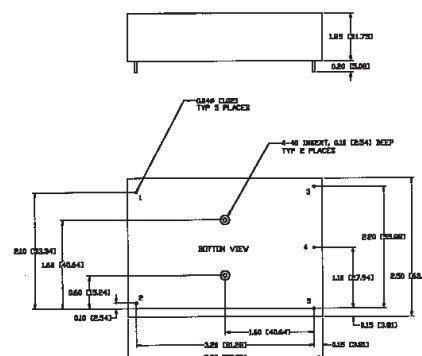
Dimensions Case A:.....0.88 x 2.5 x 3.5"
 Case B1.25 x 2.5 x 3.5"
 Case C1.55 x 2.5 x 3.5"
 Case D2.00 x 2.5 x 3.5"

Case MaterialNon-metallic

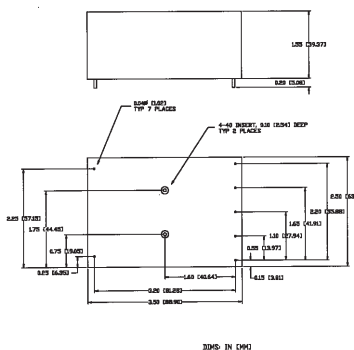
Due to advances in technology, specifications subject to change without notice.

Input Voltage (VAC)	Output Voltage (VDC)	Output Current (mA)	Case Height	Model Number
*105 - 125	5	500	0.88	W5S500
		1000	1.25	W5S1000
		1500	1.55	W5S1500
		2000	2.00	W5S2000
	6	450	1.25	W6S450
		900	1.25	W6S900
	10	250	0.88	W10S250
		500	1.25	W10S500
	12	250	0.88	W12S250
		500	1.55	W12S500
	15	200	0.88	W15S200
		500	1.55	W15S500
	20	100	0.88	W20S100
		200	1.25	W20S200
	24	100	0.88	W24S100
		200	1.25	W24S200
	28	100	0.88	W28S100
		200	1.25	W28S200
	± 5	50	0.88	W5D50
		150	0.88	W5D150
		400	1.25	W5D400
	± 12	50	0.88	W12D50
		100	0.88	W12D100
		200	1.25	W12D200
		300	1.55	W12D300
		400	2.00	W12D400
	± 15	50	0.88	W15D50
		100	0.88	W15D100
		200	1.25	W15D200
		300	1.55	W15D300
		350	1.55	W15D350
	± 18	400	2.00	W15D400
		500	2.00	W15D500
		50	0.88	W18D50
	± 20	100	1.25	W18D100
		50	0.88	W20D50
	± 24	200	1.55	W20D200
		50	0.88	W24D50
	± 28	150	1.55	W24D150
		150	1.55	W28D150
	5/ ± 12	500/100	1.55	W12T100
		300/150	1.55	W12T150
		300/170	2.00	W12T170
		1000/100	2.00	W12T1000
	5/ ± 15	500/100	1.55	W15T100
		300/150	1.55	W15T150
		750/100	1.55	W15T100-7
		1000/100	1.55	W15T1000

Single and Dual Pinout



Triple Pinout



PIN CONNECTIONS

	Single	Dual	Triple
1	AC in	AC in	AC in
2	AC in	AC in	AC in
3	Return	- Out	- Out
4	N/C	Return	Return
5	+ Out	+ Out	+ Out
9	-	-	5V RTN
10	-	-	+ 5 VDC

Notes:

1. All case and pin to case dimensions reference only unless otherwise noted.
2. Two threaded inserts for mounting, 4-40 x 0.10" deep min.
3. On single output units, do not connect common.

***OPTIONS:** See Options Selection Guide for additional power supply options and proper pin connections. Add option letter(s) to end of part number when specifying.

AC Input Options: **K** Option allows operation with 200-252VAC in.

K2 Option accepts 105-125 and 200-252VAC (jumper selectable)

N Option accepts 90-105VAC

UK Option accepts 216-265VAC

M Option specifies 2.2" pin spacing between Vin pins.