

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.....±1%
- Output Trim (external)N/A
- Line Regulation (LL-HL)±0.05%
- Load Regulation (NL-FL)±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

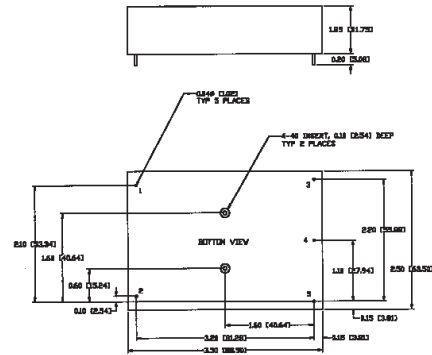
- Dimensions Case A:.....0.88 x 2.5 x 3.5"
- Case B1.25 x 2.5 x 3.5"
- Case C1.55 x 2.5 x 3.5"
- Case D2.00 x 2.5 x 3.5"

Case MaterialNon-metallic

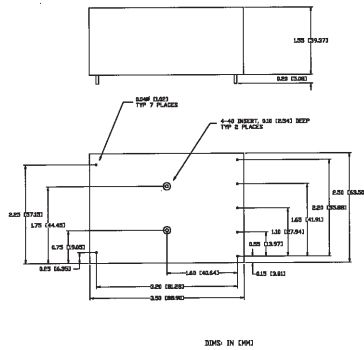
Due to advances in technology, specifications subject to change without notice.

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	
		1.25	W6S900	
10	250	0.88	W10S250	
		1.25	W10S500	
12	250	0.88	W12S250	
		1.55	W12S500	
		1.55	W12S500	
15	200	0.88	W15S200	
		1.55	W15S500	
20	100	0.88	W20S100	
		1.25	W20S200	
24	100	0.88	W24S100	
		1.25	W24S200	
28	100	0.88	W28S100	
		1.25	W28S200	
± 5	50	0.88	W5D50	
		0.88	W5D150	
		1.25	W5D400	
± 12	50	0.88	W12D50	
		0.88	W12D100	
		1.25	W12D200	
		1.55	W12D300	
		2.00	W12D400	
± 15	50	0.88	W15D50	
		0.88	W15D100	
		1.25	W15D200	
		1.55	W15D300	
		1.55	W15D350	
± 18	50	0.88	W18D50	
		0.88	W18D100	
		1.25	W18D100	
		1.25	W18D100	
± 20	50	0.88	W20D50	
		1.55	W20D200	
± 24	50	0.88	W24D50	
		1.55	W24D150	
± 28	150	1.55	W28D150	
		1.55	W28D150	
5/ ± 12	500/100	1.55	W12T100	
		1.55	W12T150	
		2.00	W12T170	
		2.00	W12T1000	
5/ ± 15	500/100	1.55	W15T100	
		1.55	W15T150	
		1.55	W15T100-7	
		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:

- All case and pin to case dimensions reference only unless otherwise noted.
- Two threaded inserts for mounting, 4-40 x 0.10" deep min.
- 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.