

TO 20 WATTS - E SERIES

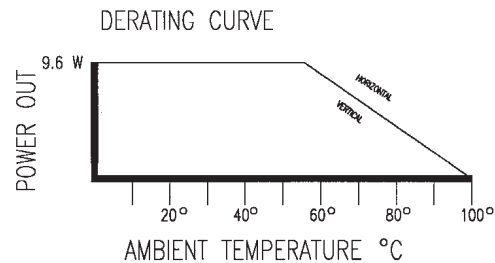
Switching Buck Regulator

FEATURES

- Single Output
- High Efficiency
- Encapsulated Supply
- Various Mounting Options
- 1500V RMS isolation
- Power Foldback Short Circuit Protection
- Output Current Limiting
- Ten Year Warranty

THE E SERIES FROM WALL INDUSTRIES

The E Series high efficiency AC/DC power supply offers the designer a low cost solution to problems normally associated with series-pass regulated supplies. By employing state-of-the-art switching techniques, this series achieves efficiencies up to 75%.



SPECIFICATIONS: E SERIES

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

INPUT SPECIFICATIONS

Input Voltage Range.....105-125VAC(see options for alternates)
 Input Frequency50-440Hz
 Remote On/Off ControlN/A

OUTPUT SPECIFICATIONS

Output CurrentSee table
 Output Voltage Tolerance.....±1% (fixed)
 Output Trim (external)N/A
 Line Regulation (LL-HL)±0.15%
 Load Regulation (10-100% load).....±0.15%
 Short Circuit ProtectionPower Foldback
 Over Voltage Protection.....N/A
 Ripple/Noise (20MHz BW)<7mV RMS
 Transient ResponseN/A

GENERAL SPECIFICATIONS

Efficiency70% (typical)
 Isolation Voltage (input to output)1500V RMS
 Isolation Resistance (input to output)100MW
 Remote SenseN/A
 Switching Frequency40kHz (variable)

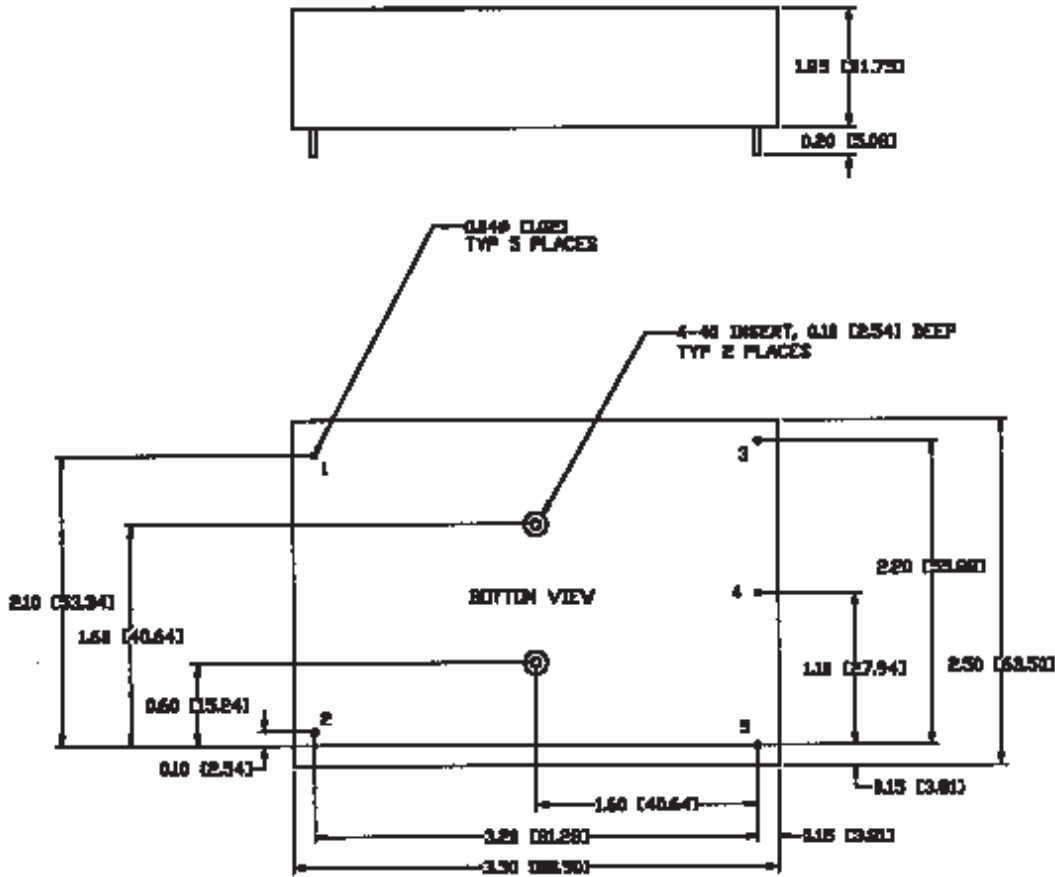
ENVIRONMENTAL SPECIFICATIONS

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.....1.25 x 2.5 x 3.5”
 Case B1.55 x 2.5 x 3.5”
 Case C2.00 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 (Amps)	Case Height (inches)	Model Number
*90 to 130	5	1.0	1.25	E5S1000
		1.5	1.55	E5S1500
		2.0	1.55	E5S2000
		3.0	2.0	E5S3000
		4.0	2.0	E5S4000
	12	0.8	1.55	E12S800
		1.2	2.0	E12S1200
		1.5	2.0	E12S1500
	15	0.65	1.55	E15S650
		1.0	2.0	E15S1000
		1.5	2.0	E15S1500
19	1.0	2.0	E19S1000	
24	0.4	1.55	E24S400	

PIN CONNECTIONS

Single

1	AC in
2	AC in
3	Return
4	N/C
5	+Vout

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.
4. Five Pins, 0.04" diameter x 0.20" long (min.).

*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.

Screw Terminals available for chassis mounting on all models.