

TO 20 WATTS - E SERIES

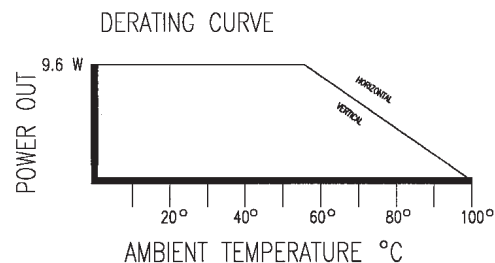
Switching Buck Regulator

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.



1
AC in

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.