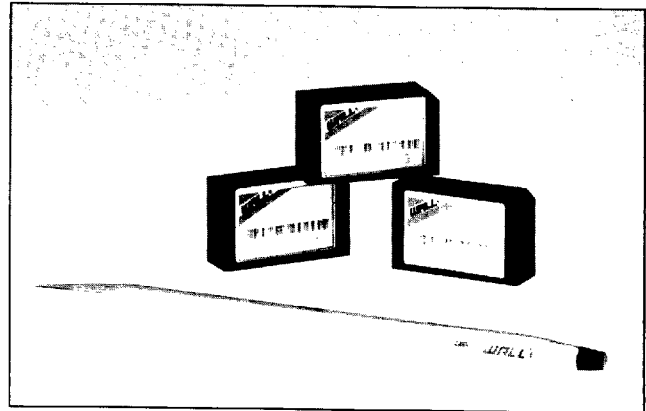


# B AND RB SERIES

# TO 3 WATTS

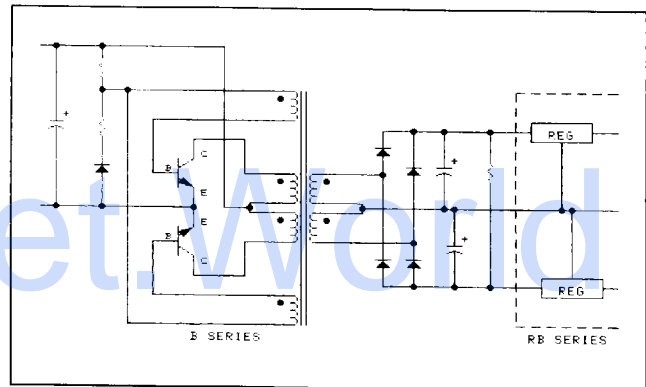
## FEATURES

- Miniature Packaging
- 24-Pin Dip Compatibility
- High Efficiency
- High Reliability: MTBF > 1 Million hours
- Single and Dual Outputs
- Five Year Warranty



## The B and RB Series from Wall Industries

Housed in a 0.8" x 1.25" x 0.4" case, the B Series and regulated version, the RB Series, offer the user an encapsulated DC/DC converter suitable for distributed power applications. Providing an economical solution to design challenges, these modules supply the power needed to confirm your programs' success. An MTBF in excess of 1 Million hours reflects the quality designed into these converters.



Simplified Schematic

## SPECIFICATIONS

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

### INPUT SPECIFICATIONS

Input Voltage Range . . . . . 5, 12VDC ± 10%

### OUTPUT SPECIFICATIONS

Output Current . . . . . see table  
 Voltage Tolerance . . . . . ± 5%  
 Line Regulation - B Series . . . . . 1.2%/V in  
 Line Regulation - RB Series . . . . . ± 0.5%  
 Load Regulation - B Series . . . . . 10% (@ 20% to full load)  
 Load Regulation - RB Series . . . . . ± 0.5%  
 Ripple/Noise - B Series (20MHz BW) . . . . . ≤ 100mV (P-P)  
 Ripple/Noise - RB Series (20MHz BW) . . . . . ≤ 75mV (P-P)  
 Short Circuit Protection . . . . . Short Term

### GENERAL SPECIFICATIONS

Efficiency (Typical) . . . . . B Series: 80% RB Series: 50%  
 Isolation Voltage, input to output . . . . . 500 VDC  
 Switching Frequency . . . . . 50-KHz (typical)

### 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 . . . . . 0.8" x 1.25" x 0.4"  
 Weight . . . . . approx 0.35 oz.  
 Case Material . . . . . Non-metallic Case

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

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