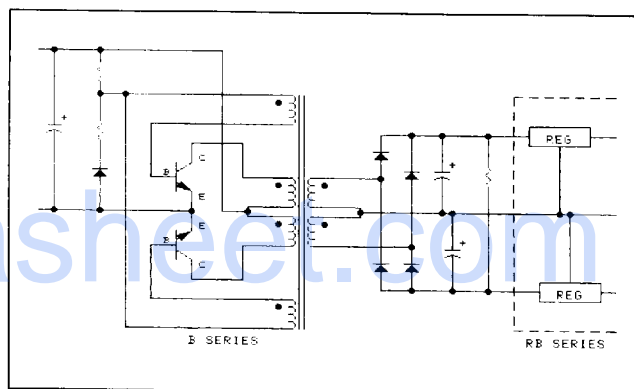


B AND RB SERIES**TO 3 WATTS****FEATURES**

- 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 \pm 10%

OUTPUT SPECIFICATIONS

Output Current..... see table
Voltage Tolerance..... \pm 5%
Line Regulation - B Series..... 1.2%/V in
Line Regulation - RB Series..... \pm 0.5%
Load Regulation - B Series..... 10% (@ 20% to full load)
Load Regulation - RB Series..... \pm 0.5%
Ripple/Noise - B Series (20MHz BW)..... \leq 100mV (P-P)
Ripple/Noise - RB Series (20MHz BW)..... \leq 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.

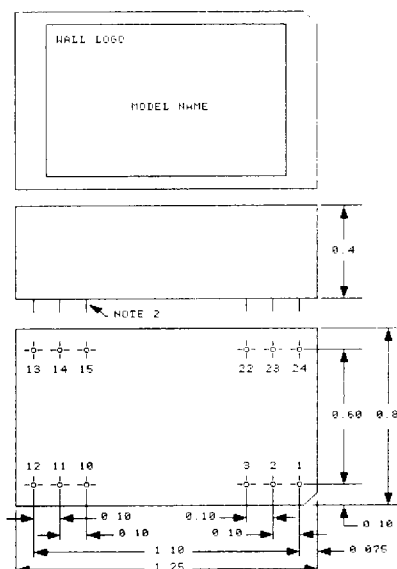
Wall Industries, Inc. • 5 Watson Brook Road • Exeter, NH 03833 • 603-778-2300 • FAX: 603-778-9797

B/RB

■ 9564164 0000232 265 ■

SINGLE/DUAL OUTPUT
B AND RB SERIES

Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Model Number (Unregulated)	Model Number (Regulated)
5	5	220	BS55	RBS55
5	12	100	BS512	RBS512
5	15	90	BS515	RBS515
5	24	50	BS524	RBS524
5	30	45	BS530	RBS530
5	± 5	110	BD55	RBD55
5	± 12	50	BD512	RBD512
5	± 15	45	BD515	RBD515
12	5	220	BS25	RBS25
12	12	100	BS212	RBS212
12	15	90	BS215	RBS215
12	24	50	BS224	RBS224
12	30	45	BS230	RBS230
12	± 12	50	BD212	RBD212
12	± 15	45	BD215	RBD215



CONNECTIONS			
Pins	5, 12, 15V out	± 5, ± 12, ± 15V out	24 or 30V out
1 & 24	+ VDC in	+ VDC in	+ VDC in
2 & 23	do not connect	- VDC out	- VDC out
3 & 22	N/C	Common out	do not connect
10 & 15	- VDC out	Common out	do not connect
11 & 14	+ VDC out	+ VDC out	+ VDC out
12 & 13	- VDC in	- VDC in	- VDC in

Notes

1. All case and pin to case dimensions reference only, unless otherwise noted.
2. Twelve pins, 0.02" diameter x 0.15" long.