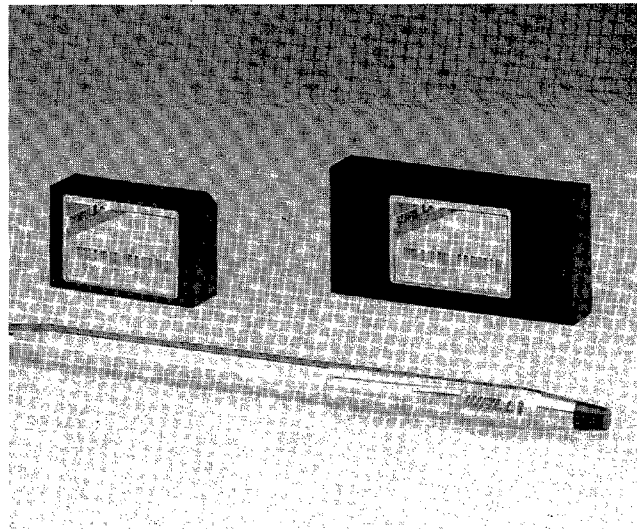


1 TO 5.4 WATTS - IB SERIES

4000 VDC Input/Output Isolation

FEATURES

- ◆ Highly Isolated
- ◆ Single and Dual Outputs
- ◆ Momentary Short Circuit Protection
- ◆ Industry Standard Packages
- ◆ High Efficiency: 85% typical
- ◆ Five Year Warranty



THE IB SERIES FROM WALL INDUSTRIES

The IB Series features extremely high Input/Output isolation in a miniature 1.5 watt package. Designed with a low profile and 24 pin DIP compatibility, the IB fits easily into PC board assemblies. High efficiency (>80% typical) is a result of state-of-the-art circuitry with an oscillator frequency greater than 50kHz.

SPECIFICATIONS: IB SERIES

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

INPUT SPECIFICATIONS

Input Voltage Range.....5.12VDC $\pm$ 10%
 Input FilterN/A

OUTPUT SPECIFICATIONS

Output CurrentSee Table
 Voltage Tolerance..... $\pm$ 3% nom. Vin @ FL
 Line Regulation $\pm$ 1.1%/ %of Vin
 Load Regulation..... $\pm$ 10% NL-FL
 Ripple/Noise (20MHz BW)..... $\leq$ 100mV P-P
 Short Circuit Protection.....Momentary

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

GENERAL SPECIFICATIONS

Efficiency (typical)85% (nom. Vin, FL)
 Isolation Voltage (input to output).....4000VDC
 Feedthrough Capacitance30pF
 Isolation Resistance100Mohms (typical)
 Switching Frequency.....50kHz min.

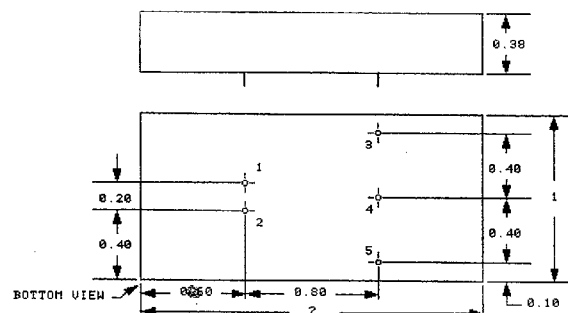
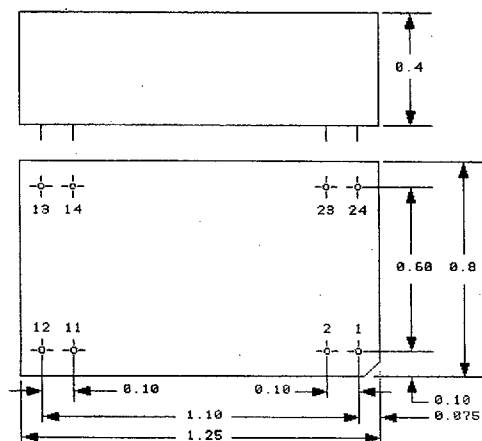
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature-25 to +71°C (1" from case)
 Storage Temperature-55 to +100°C
 Cooling.....Free Air Convection

PHYSICAL SPECIFICATIONS

Dimensions: Single Output.....0.8 x 1.25 x 0.4"
 Dual Output.....1.0 x 2.0 x 0.38"
 Case MaterialNon-Metallic

Dual Output



Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Model Number
5VDC	5	220	IBS55
	9	180	IBS59
	12	100	IBS512
	15	90	IBS515
	24	50	IBS524
	30	45	IBS530
	48	125	IBS548-125**
	± 5	200	IBD55
	± 12	100	IBD512
	± 15	90	IBD515
	± 15	150	IBD5150
12VDC	5	220	IBS25
	12	100	IBS212
	15	90	IBS215
	24	50	IBS224
	30	45	IBS230
	48	50	IBS248
	± 5	200	IBD25
	± 12	100	IBD212
	± 15	90	IBD215
	± 15	150	IBD2150

** 500 VDC I/O isolation, larger (dual) package

	Single	Dual
--	--------	------

1	+Vin	+Vin
2	+Vin	-Vin
3		+Vout
4		Common
5		- Vout
11, 12	+Vout	
13, 14	-Vout	
23, 24	-Vin	

1. All case and pin-to-case dimensions reference only unless otherwise noted.

2. Pin details: Singles: eight pins, 0.02" diameter x 0.15" long.
Duals: five pins, 0.04" diameter x 0.20" long.