

1.5 WATTS - IB SERIES

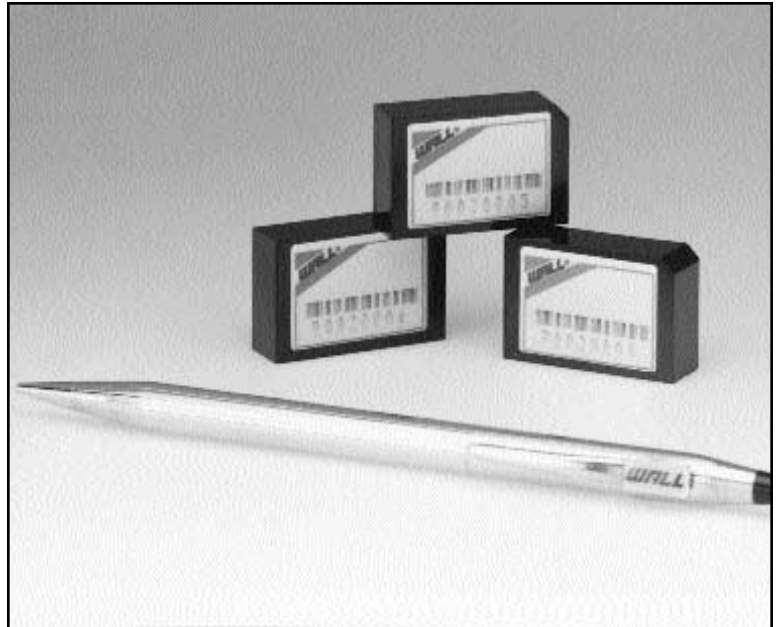
6000 VDC Input/Output Isolation

FEATURES

- highly isolated
- single and dual outputs
- short circuit protection
- industry standard packages
- high efficiency: 75% typical
- MTBF > 2,000,000 hours

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 (>75% 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, 12, 15VDC \pm 10%
Input Filter.....N/A

OUTPUT SPECIFICATIONS

Output Current.....See 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).....50mV p-p

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

GENERAL SPECIFICATIONS

Efficiency (typical).....75% (nom. Vin, FL)
Isolation Voltage (input to output).....6000VDC
Feedthrough Capacitance.....15pF max.
Isolation Resistance.....100Mohms (typical)
Switching Frequency.....50kHz min.

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....-40 to +85°C(1" from case)
Storage Temperature.....-55 to +125°C
Cooling.....Free Air Convection

PHYSICAL SPECIFICATIONS

Dimensions: Single Output.....0.8 x 1.25 x 0.4"
Case Material.....Non-Metallic

Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Model Number
5VDC	5	300	IBS55
	12	125	IBS512
	15	100	IBS515
	+/- 5	150	IBD55-DIL
	+/_ 12	63	IBD512-DIL
	+/- 15	50	IBD515-DIL
	12VDC	5	300
12		125	IBS212
15		100	IBS215
48		50	IBS248**
+/- 5		150	IBD25-DIL
+/- 12		63	IBD212-DIL
+/- 15		50	IBD215-DIL
15VDC	5	300	IBS155
	12	125	IBS1512
	15	100	IBS1515
	+/- 5	150	IBD155-DIL
	+/- 12	63	IBD1512-DIL
	+/- 15	50	IBD1515-DIL

PIN CONNECTIONS

	Single	Dual
1	+Vin	+ Vin
2	+Vin	+ Vin
3		
4		
5		
11, 12	+Vout	+ Vout
13, 14	-Vout	Common
15	No Pin	- Vout
23, 24	-Vin	- Vin

Notes:

1. All case and pin-to-case dimensions reference only unless otherwise noted.
 2. Pin details: eight pins (single output)
 nine pins (dual output)
 0.02" diameter x 0.15" long.
- **1500VDC I/O Isolation, this package only.

