

1.5 WATTS - IB SERIES

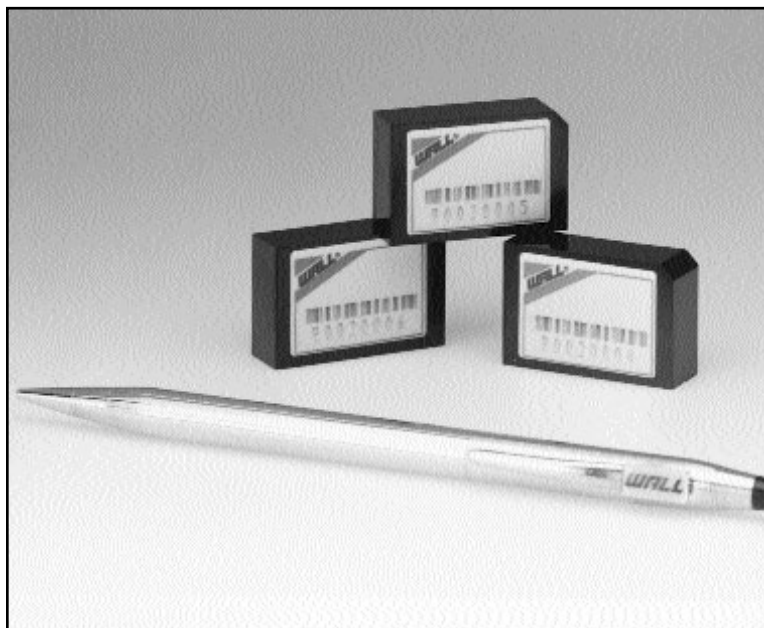
8000 VDC Input/Output Isolation

FEATURES

- highly isolated, 8000 VDC
- 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) 8000 VDC
 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

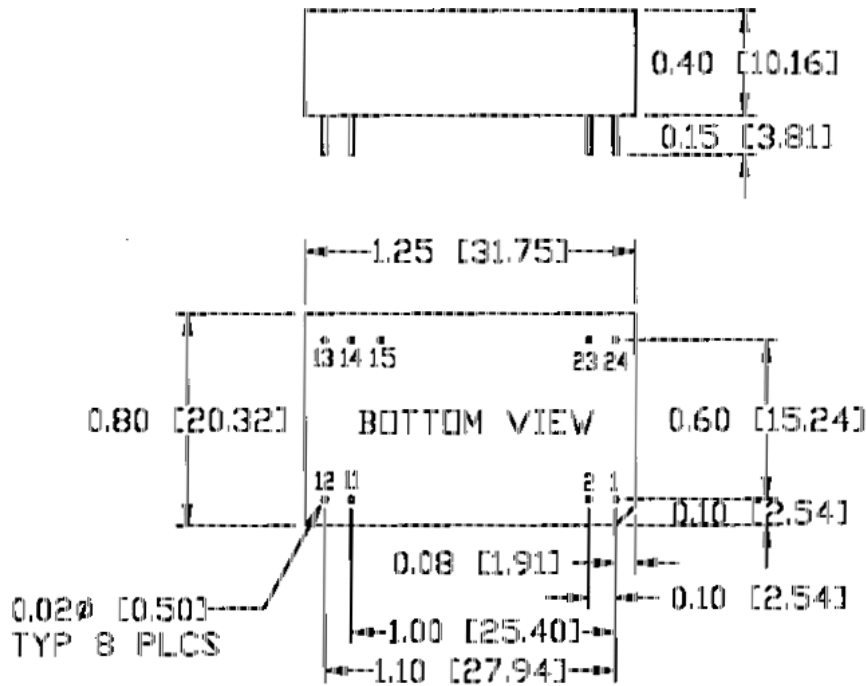
Dimensions: Single Output 0.8 x 1.25 x 0.4"
 Case Material Non-Metallic

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
	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.
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DIMS: IN [MM]

COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001: 2015 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

Contact **Wall Industries** for further information:

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