

1.5 WATTS - IB SERIES

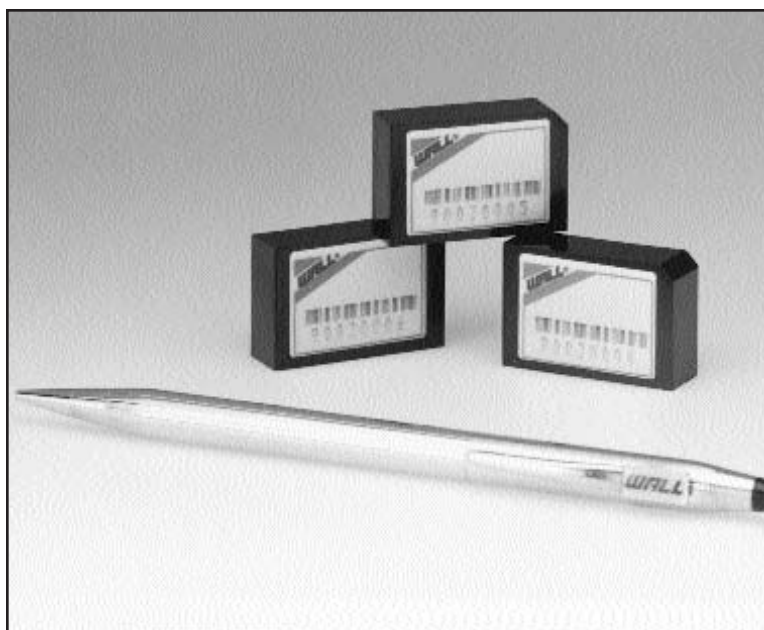
6000 VDC Input/Output Isolation

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

11/28/01

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	IBS25
	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:

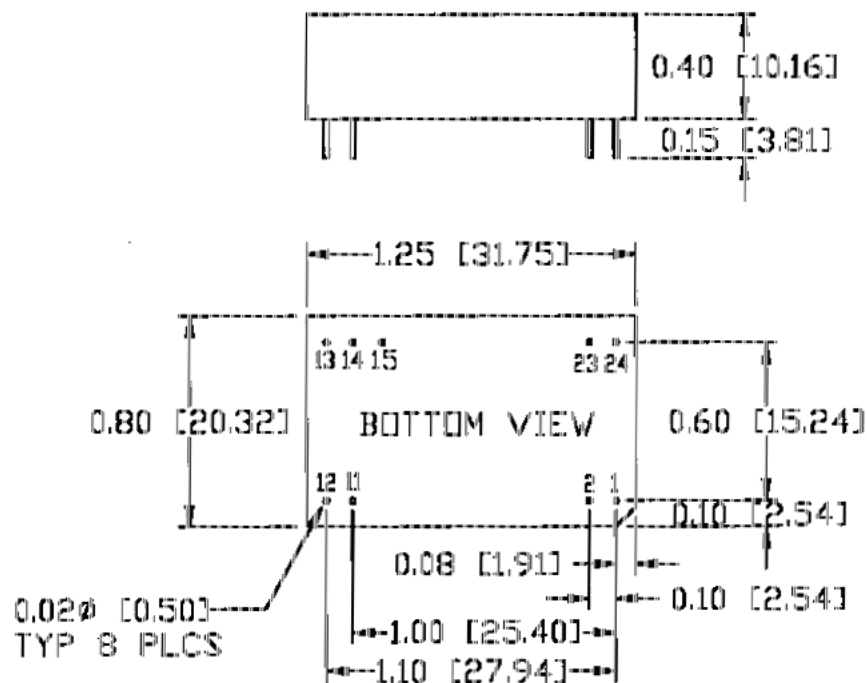
1. All case and pin-to-case dimensions reference only unless otherwise noted.

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.



DIMS: IN [MM]