



IB Series IBxxxxD-xW 1KVDC Isolation 1W~2W Regulated single output DIP14 PIN

Input Volt.

5, 9, 12, 15, 24 VDC

Output Volt.

3.3, 5, 9, 12, 15 VDC

Other specifications required, please inquire us for details.

**Technical Parameters**

All the parameters below are tested at TA=25° C, nominal input voltage, rated output current.

Input Parameters

Volt. Range	+/- 5 %
Filter	Ceramic-capacitor

Isolation Parameters

Rated Isolation Volt.	1000 VDC
Leak current	<1 m A
Resistance	10 ⁹ Ohm
Capacitor	60 pF TYP.

Output Parameters

Volt. Precision	+/- 2 %, max.
(20 MHz BW) Ripple&Noise	150mV p-p, max.
Continuous short-circuit time	Output over load and short-circuit protection (>20s)
Linear volt. Calibration	+/- 1,2 % / 1,0 % of Vin
Load volt. Calibration	+/- 8 %, load = 20 ~ 100 %
Temperature index	+/- 0,02 % / °C

General Parameters

Efficiency	65% to 85 %
Switching Frequency	60~125 KHz, type.

Environmental Parameters

Operating Temp. (environmental)	- 40° C to + 85° C
Storage Temp.	- 55 °C to + 125 °C
Reducing rated value	See temperature derating graph below
Humidity	≤ 90 %, Non-compression
Colling method	Natural Free-air

Dimension

DIP Package size	20.4 x10.0 x8.2 mm
	0.80 x 0.39 x 0.32 inch
	2.0 g~3.5 g

Weight**External Package Material**

Non-conductive flame-retardant black plastics

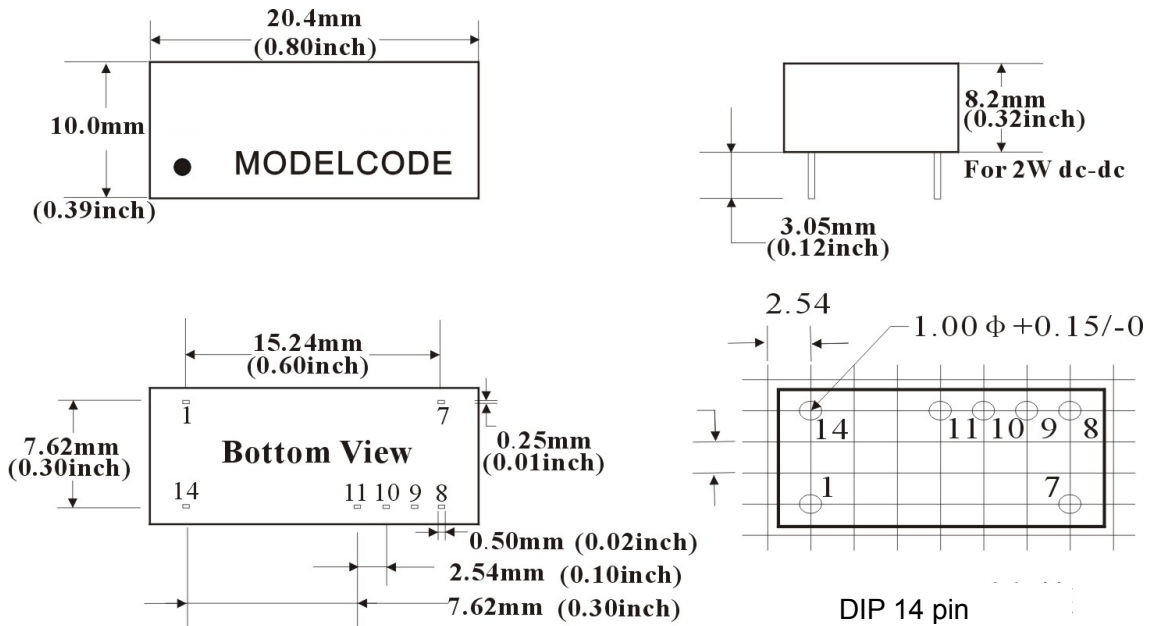
Typical Product List: (The parameters below are collected at 8 hours full-load aging test.)

Model No.	Input Volt. Vin(VDC)	Input Current Empty load (mA)	Input Current Full load (mA)	Output Volt. Vout(VDC)	Output Current (max.mA)	Efficiency Full load (%TYPE)
IB0505D-1W	5	28	294	5	200	68
IB0512D-1W	5	26	298	12	84	67
IB1205D-1W	12	16	120	5	200	69
IB1212D-1W	12	12	116	12	84	72
IB1215D-1W	12	11	115	15	67	72
IB2405D-1W	24	10	60	5	200	69
IB2409D-1W	24	9	60	9	111	69
IB2412D-1W	24	8	59	12	84	71

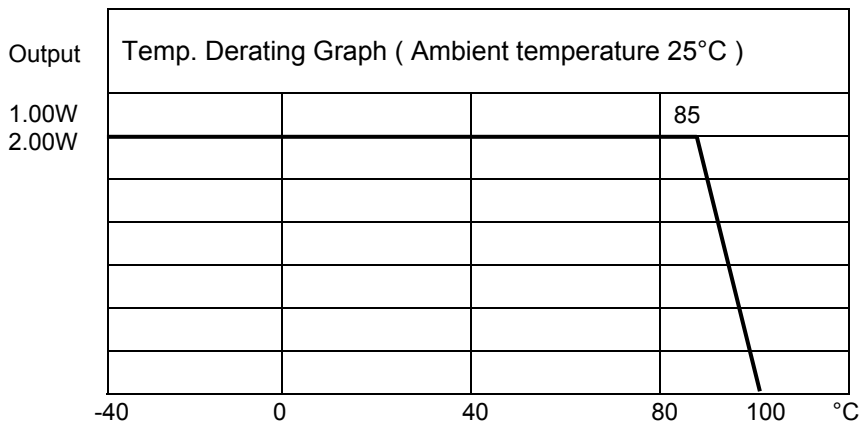


Model No.	Input Volt. Vin(VDC)	Input Current Empty load (mA)	Input Current Full load (mA)	Output Volt. Vout(VDC)	Output Current (max.mA)	Efficiency Full load (%TYPE)
IB2415D-1W	24	7	57	15	67	73
IB0505D-2W	5	45	580	5	400	69
IB0509D-2W	5	42	571	9	200	70
IB1205D-2W	12	25	222	5	400	75
IB1209D-2W	12	23	216	9	200	77
IB1212D-2W	12	21	213	12	167	78
IB2405D-2W	24	10	119	5	400	70
IB2412D-2W	24	9	104	12	167	80
IB2415D-2W	24	8	99	15	133	84

External Dimension & PCB Installation:



Temperature Derating Graph and PIN Definition



Pin	Function
14	+ Vin Input +
1	- Vin Input -
2~6	
7	NC
8	0 0V Common
9	+ Vout Output +
10	NC
11	- Vout Output -
12,13	

* Note: the product design and specification are subject to change without notice.