

**IB\_LS-1W/2W Series****1W/2W, Fixed Input, Isolated&Regulated Single Output DC-DC Converter****Characteristics:**

- Environment-friendly Design, RoHs Compliance
- CE Certificate
- Industrial Products. Temperature Range: -40~+85°C
- Rated Power: 1W, 2W
- Fixed Input: 5V, 12V, 24V
- Regulated Output Accuracy:  $\pm 1\%$
- Isolated Voltage:  $\geq 1000\text{VDC}$
- Low Ripple & Noise
- High Stability&Performance, MTBF $\geq 1$ million Hours
- International Standard Pins, SIP Package

**Product List**

Input Range(V)	Nominal Output Voltage/Current			Efficiency (%) (Typ.)	Ripple&Noise (mVp-p)	Part Number
	Output Voltage (V)	Output Current (mA)(Max.)				
		1W	2W			
5 or 3.3	5	150		70	25	IB0505LS-W75
	3.3	300	400	70	25	IB0503LS-1W/2W
	5	200	400	70	25	IB0505LS-1W/2W
	9	110	220	72	30	IB0509LS-1W/2W
	12	83	166	73	30	IB0512LS-1W/2W
	15	66	132	75	50	IB0515LS-1W/2W
	24	41	82	77	75	IB0524LS-1W/2W
12	5	150		72	25	IB1205LS-W75
	3.3	300	400	72	25	IB1203LS-1W/2W
	5	200	400	72	25	IB1205LS-1W/2W
	9	110	220	73	30	IB1209LS-1W/2W
	12	83	166	74	30	IB1212LS-1W/2W
	15	66	132	77	50	IB1215LS-1W/2W
	24	41	82	77	75	IB1224LS-1W/2W
24	5	150		72	25	IB2405LS-W75
	3.3	300	400	72	25	IB2403LS-1W/2W
	5	200	400	72	25	IB2405LS-1W/2W
	9	110	220	73	30	IB2409LS-1W/2W
	12	83	166	74	30	IB2412LS-1W/2W
	15	66	132	77	50	IB2415LS-1W/2W
	24	41	82	77	75	IB2424LS-1W/2W

**Note:** Ripple and Noise (Peak-Peak) Test by Probe and Twisted-pair Cable

Converters of 0.1W, 0.25W and 0.5W are the same as the above ones except the output current.

<b>Specifications</b>			
<b>Note:</b> all specifications measured at Ta=25°C, nominal input voltage and nominal load.			
<b>Input</b>			
Input Voltage		nominal 5V	4.75-5.25VDC
		nominal 12V	11.4-12.6VDC
		nominal 24V	22.8-25.2VDC
Load Power Consumption			10% rated power(Typ.)
<b>Output</b>			
Output Power	operating temperature<85°C		1W / 2W
Voltage Accuracy	Nominal input voltage		± 1%
Line Voltage Regulation	rated load, input voltage range	Vo	0.2%(Typ.)
Load Regulation	nominal input, 10%~100% load	Vo	0.1%( Typ.)
<b>General</b>			
Switching Frequency (Typ.)			100KHz
Insulation Resistance	Test at 500VDC		1000MΩ
Insulation Voltage	Input/Output, Tested for 1 minute and 1 mA Max.		1000VDC
Operating Temp.	≤Rated Load		-40°C ~+85°C
Storage Temp.	Humidity≤90%		-40°C ~+125°C
MTBF	Ta=25°C		1 million hours
CE Certificate			E0611042E