

**IA\_S-1W/2W Series****1W/2W, Fixed Input, Isolated&Regulated Dual Output DC-DC Converter****Characteristics:**

- Environment-friendly Design, RoHs Compliance
- CE Certificate
- Industrial / Military Products
- Rated Power: 1W, 2W
- Fixed Input: 5V, 12V, 24V
- Regulated Output:  $\pm 5V$ ,  $\pm 12V$ ,  $\pm 15V$
- Isolated Voltage:  $\geq 1000VDC$
- Low Ripple & Noise
- High Stability&Performance, MTBF $\geq 1$ million Hours
- International Standard Pins, SIP/DIP Package

**Product List**

Input Range(V)	Nominal Output Voltage/Current		Efficiency (%) (Typ.)	Ripple&Noise (mVp-p)	Part Number
	Output Voltage (V)	Output Current (mA)			
5	$\pm 5$	$\pm 100$	72	25/25	IA0505S -1W
	$\pm 12$	$\pm 41$	75	50/50	IA0512S -1W
	$\pm 15$	$\pm 33$	76	50/50	IA0515S -1W
12	$\pm 5$	$\pm 100$	75	25/25	IA1205S -1W
	$\pm 12$	$\pm 41$	76	50/50	IA1212S -1W
	$\pm 15$	$\pm 33$	76	50/50	IA1215S -1W
24	$\pm 5$	$\pm 100$	75	25/25	IA2405S -1W
	$\pm 12$	$\pm 41$	77	50/50	IA2412S -1W
	$\pm 15$	$\pm 33$	77	50/50	IA2415S -1W
5	$\pm 12$	$\pm 83$	75	50/50	IA0512S -2W
	$\pm 15$	$\pm 66$	76	50/50	IA0515S -2W
12	$\pm 5$	$\pm 150$	75	25/25	IA1205S -2W
	$\pm 12$	$\pm 83$	76	50/50	IA1212S -2W
	$\pm 15$	$\pm 66$	76	50/50	IA1215S -2W
24	$\pm 5$	$\pm 150$	75	25/25	IA2405S -1W5
	$\pm 12$	$\pm 83$	77	50/50	IA2412S -2W
	$\pm 15$	$\pm 66$	77	50/50	IA2415S -2W

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

<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	11.4-13.12VDC
		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			1% ~ 3%
Line Voltage Regulation	rated load, input voltage range	Vo1/Vo2	0.1%(Typ.)
Load Regulation	nominal input, 10%~100% load	Vo1/Vo2	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