

A_S/D-1W/2W Series**1W/2W, Fixed Input, Isolated&Unregulated 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
- Unregulated Output: $\pm 5V$, $\pm 9V$, $\pm 12V$, $\pm 15V$
- Isolated Voltage: $\geq 1000VDC$
- High Stability&Performance, MTBF ≥ 1 million Hours
- International Standard Pins, SIP/DIP Package

Product List

Input Range (V)	Output Voltage/Current		Efficiency (%)(Typ.)	Ripple&Noise (mVp-p)	Part Number
	Output Voltage (V)	Output Current (mA)			
5	± 5	± 100	72	75/75	A0505S/D-1W
	± 9	± 55	73	75/75	A0509S/D-1W
	± 12	± 41	78	85/85	A0512S/D-1W
	± 15	± 33	79	85/85	A0515S/D-1W
12	± 5	± 100	75	75/75	A1205S/D-1W
	± 9	± 55	73	75/75	A1209S/D-1W
	± 12	± 41	80	85/85	A1212S/D-1W
	± 15	± 33	80	85/85	A1215S/D-1W
24	± 5	± 100	75	75/75	A2405S/D-1W
	± 9	± 55	73	75/75	A2409s/D-1w
	± 12	± 41	80	85/85	A2412S/D-1W
	± 15	± 33	80	85/85	A2415S/D-1W
5	± 5	± 200	79	75/75	A0505S/D-2W
	± 9	± 110	79	75/75	A0509S/D-2W
	± 12	± 83	85	85/85	A0512S/D-2W
	± 15	± 66	85	85/85	A0515S/D-2W
12	± 5	± 200	82	75/75	A1205S/D-2W
	± 9	± 110	79	75/75	A1209S/D-2W
	± 12	± 83	85	85/85	A1212S/D-2W
	± 15	± 66	85	85/85	A1215S/D-2W
24	± 5	± 200	83	75/75	A2405S/D-2W
	± 9	± 110	79	75/75	A2409S/D-2W
	± 12	± 83	85	85/85	A2412S/D-2W
	± 15	± 66	85	85/85	A2415S/D-2W

Specifications			
Input			
Input Voltage		nominal 5V	4.5-5.5VDC
		nominal 12V	10.8-13.2VDC
		nominal 24V	21.6-26.4VDC
Load Power Consumption			10% rated power(typical)
Output			
Output Power	operating temperature<85°C (no operating without load)		0.1w~1W / 0.2w~2W
Voltage Accuracy			as shown in tolerance envelope graph
Line Voltage Regulation	rated load, input voltage range	Vo1/Vo2	1.2%(typical)
Load Regulation	nominal input, 10%~100% load	Vo1/Vo2	10%(typical)
General			
Switching Frequency (Typical)			100KHz
Insulation Resistance	Test at 500VDC		1000MΩ
Insulation Voltage	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
Lead Temp.	1.5mm from Case for 10 Seconds	manual soldering	≤300°C
	1.5mm from Case for 10 Seconds	Wave soldering	≤260°C
MTBF	Ta=25°C		1 million hours
CE certificate			E0611042E