

**D\_S-1W/2W Series****1W/2W, Fixed Input, Isolated&Unregulated Twin 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
- Unregulated Twin Output: 5V/5V, 9V/9V, 12V/12V, 15V/15V
- Dual Isolated Voltage:  $\geq 1000\text{VDC}$
- 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.)			
5	3.3/3.3V	150/150	68	75/75	D050303S-1W/2W
	5V/5V	100/100	70	75/75	D050505S-1W/2W
	9V/9V	55/55	73	75/75	D050909S-1W/2W
	12V/12V	41/41	76	85/85	D051212S-1W/2W
	15V/15V	33/33	76	85/85	D051515S-1W/2W
	24V/24V	20/20	78	100/100	D052424S-1W/2W
12	5V/5V	100/100	70	75/75	D120505S-1W/2W
	9V/9V	55/55	73	75/75	D120909S-1W/2W
	12V/12V	41/41	76	75/75	D121212S-1W/2W
	15V/15V	33/33	76	85/85	D121515S-1W/2W
	24V/24V	20/20	79	100/100	D122424S-1W/2W
24	5V/5V	100/100	70	75/75	D240505S-1W/2W
	9V/9V	55/55	73	75/75	D240909S-1W/2W
	12V/12V	41/41	77	75/75	D241212S-1W/2W
	15V/15V	33/33	78	85/85	D241515S-1W/2W
	24V/24V	20/20	80	100/100	D242424S-1W/2W

**Note:** The current of 2W converter is 2 times of that of 1W converter.

We can customize your products according to your requirements.

<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	4.5-5.5VDC
		nominal 12V	10.8-13.2VDC
		nominal 24V	21.6-26.4VDC
Load Power Consumption			10% rated power(Typ.)
<b>Output</b>			
Output Power	operating temperature<85°C		0.1W~1W
Voltage Accuracy	Vo1/Vo2		as shown in tolerance envelope graph
Line Voltage Regulation	rated load, input voltage range	Vo1/Vo2	1.2%(Typ.)
Load Regulation	nominal input, 10%~100% load	Vo1/Vo2	10%( 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
	Vo1/Vo2, 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