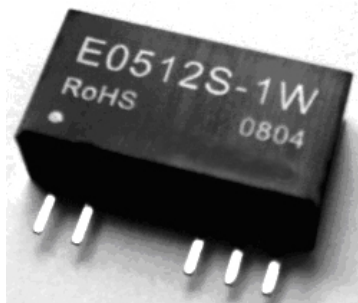


E_S-1W/2W Series**1W/2W, Fixed Input, Isolated&Unregulated Dual/Single Output DC-DC Converter****Characteristics:**

- Environment-friendly Design, RoHS Compliance
- CE Certificate
- Industrial/Military Products.
- Rated Power: 1W, 2W
- Fixed Input: 5V, 12V, 15V, 24V
- Unregulated Output: $\pm 5V$, $\pm 12V$, $\pm 15V$
- Isolated Voltage: $\geq 3000VDC$ or $5200VDC$
- High Stability&Performance, MTBF ≥ 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)(Max.)			
5	± 5	± 100	72	75/75	E0505S/D-1W
	± 12	± 41	78	85/85	E0512S/D-1W
	± 15	± 33	79	85/85	E0515S/D-1W
12	± 5	± 100	75	75/75	E1205S/D-1W
	± 12	± 41	80	85/85	E1212S/D-1W
	± 15	± 33	80	85/85	E1215S/D-1W
24	± 5	± 100	75	75/75	E2405S/D-1W
	± 12	± 41	80	85/85	E2412S/D-1W
	± 15	± 33	80	85/85	E2415S/D-1W
5	± 5	± 200	79	75/75	E0505S/D-2W
	± 12	± 83	85	85/85	E0512S/D-2W
	± 15	± 66	85	85/85	E0515S/D-2W
12	± 5	± 200	82	75/75	E1205S/D-2W
	± 12	± 83	85	85/85	E1212S/D-2W
	± 15	± 66	85	85/85	E1215S/D-2W
24	± 5	± 200	83	75/75	E2405S/D-2W
	± 12	± 83	85	85/85	E2412S/D-2W
	± 15	± 66	85	85/85	E2415S/D-2W

Note: If Isolated Voltage $\geq 5200VDC$, the rated power is 1W.

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

Specifications			
Note: all specifications measured at Ta=25°C, nominal input voltage and nominal load.			
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(Typ.)
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%(Typ.)
Load Regulation	nominal input, 10%~100% load	Vo1/Vo2	10%(Typ.)
General			
Switching Frequency (Typ.)			100KHz
Insulation Resistance	Test at 500VDC		1000MΩ
Insulation Voltage	Input/Output, Tested for 1 minute and 1 mA Max.		3000VDC
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