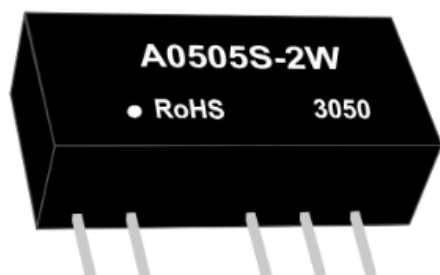


**Constant pressure input unsteady double
output**



RoHS

Key features

- Good temperature characteristics
- Isolation voltage 1000VDC
- Small S/DIP package
- Pins of international standards
- Internal patch design structure
- Comply with RoHS certification requirements

Electrical specifications

| Model | Input voltage range(V) | The output of the voltage/current | Minimum output current(mA) | Maximum capacity load(uF) | Efficiency (%) |
|-------------|------------------------|-----------------------------------|----------------------------|---------------------------|----------------|
| A0505S/D-2W | 4.5 ~ 5.5 | ±5VDC/±200mA | ±20 | 10 | 75 |
| A0512S/D-2W | 4.5 ~ 5.5 | ±12VDC/±83mA | ±9 | 4.7 | 78 |
| A0515S/D-2W | 4.5 ~ 5.5 | ±15VDC/±67mA | ±7 | 2.2 | 79 |
| A0524S/D-2W | 4.5 ~ 5.5 | ±24VDC/±42mA | ±4 | 1 | 80 |
| A1205S/D-2W | 10.8 ~ 13.2 | ±5VDC/±200mA | ±20 | 10 | 75 |
| A1212S/D-2W | 10.8 ~ 13.2 | ±12VDC/±83mA | ±9 | 4.7 | 80 |
| A1215S/D-2W | 10.8 ~ 13.2 | ±15VDC/±67mA | ±7 | 2.2 | 80 |
| A1224S/D-2W | 10.8 ~ 13.2 | ±24VDC/±42mA | ±4 | 1 | 78 |
| A1505S/D-2W | 13.5 ~ 16.5 | ±5VDC/±200mA | ±20 | 10 | 76 |
| A1512S/D-2W | 13.5 ~ 16.5 | ±12VDC/±83mA | ±9 | 4.7 | 77 |
| A1515S/D-2W | 13.5 ~ 16.5 | ±15VDC/±67mA | ±7 | 2.2 | 78 |
| A1524S/D-2W | 13.5 ~ 16.5 | ±24VDC/±42mA | ±4 | 1 | 78 |
| A2405S/D-2W | 21.6 ~ 26.4 | ±5VDC/±200mA | ±20 | 10 | 76 |
| A2412S/D-2W | 21.6 ~ 26.4 | ±12VDC/±83mA | ±9 | 4.7 | 76 |
| A2415S/D-2W | 21.6 ~ 26.4 | ±15VDC/±67mA | ±7 | 2.2 | 77 |
| A2424S/D-2W | 21.6 ~ 26.4 | ±24VDC/±42mA | ±4 | 1 | 78 |

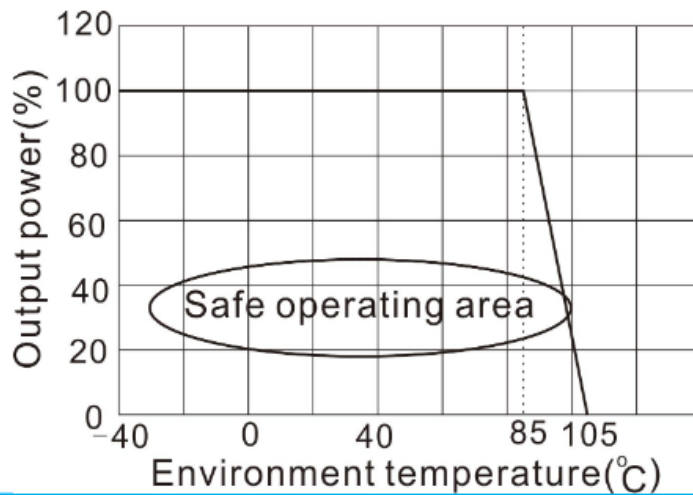
General features

| | |
|--|-------------------------|
| Output voltage accuracy (nominal voltage input, 100% load) | -7.5 (MIN) ,+2.5(MAX) |
| Load Regulation | 15(TYP) 20(MAX) |
| Voltage regulation factor | 1(TYP) ±1.2 (MAX) |
| Output ripple + noise (20MHz bandwidth, nominal voltage input 100% load) | 100 mV(TYP) 150 mV(MAX) |
| Switching frequency | 100KHz(TYP) |

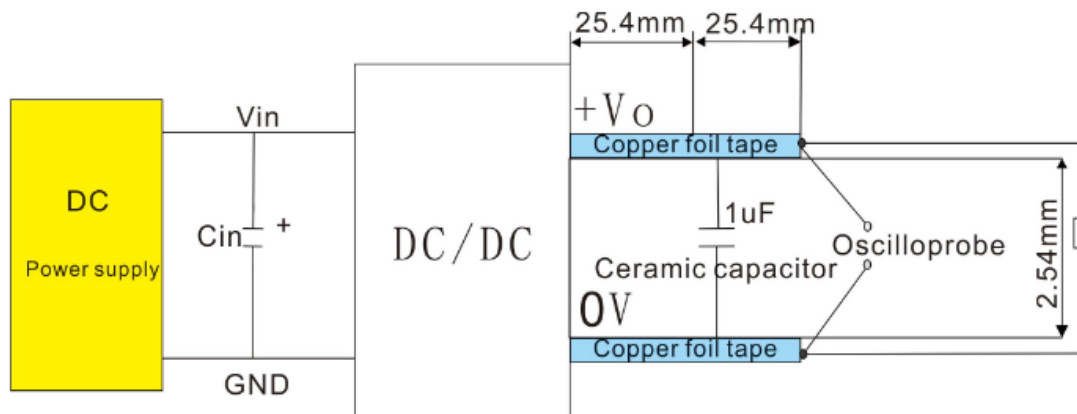


| | |
|--|--|
| Temperature drift coefficient (nominal voltage input 100% load, and 40 °C ~ + 85 °C) | ±0.03%/°C(MAX) |
| Store humidity | 95%(MAX) |
| Working environment temperature | -40°C ~ 85°C |
| Storage temperature | -55°C ~ 125°C |
| The shell heats up when the product works | 35°C (TYP) |
| Insulation strength (1 minute test time, less than 0.5MA leakage current) | 1000VDC |
| Cooling way | Natural cooling |
| The average time between failures (TA = 25 °C) | 1 million hours (MIN) |
| Insulation resistance (insulation voltage 500VDC) | 1000MΩ(MIN) |
| The shell material | Flame retardant heat-resistant plastics(UL94-V0) |

Reduction curve



Test method of ripple and noise



NOTE:

The combined voltage drop of the two parallel copper foil should be less than 2% of the output voltage.

Application notices