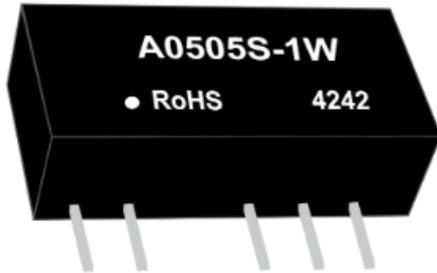




Constant pressure input unsteady  
double output



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-1W	4.5 ~ 5.5	±5VDC/±100mA	±10	10	75
A0512S/D-1W	4.5 ~ 5.5	±12VDC/±42mA	±4	4.7	78
A0515S/D-1W	4.5 ~ 5.5	±15VDC/±33mA	±3	2.2	79
A0524S/D-1W	4.5 ~ 5.5	±24VDC/±21mA	±2	1	80
A1205S/D-1W	10.8 ~ 13.2	±5VDC/±100mA	±10	10	75
A1212S/D-1W	10.8 ~ 13.2	±12VDC/±42mA	±4	4.7	80
A1215S/D-1W	10.8 ~ 13.2	±15VDC/±33mA	±3	2.2	80
A1224S/D-1W	10.8 ~ 13.2	±24VDC/±21mA	±2	1	78
A1505S/D-1W	13.5 ~ 16.5	±5VDC/±100mA	±10	10	76
A1512S/D-1W	13.5 ~ 16.5	±12VDC/±42mA	±4	4.7	77
A1515S/D-1W	13.5 ~ 16.5	±15VDC/±33mA	±3	2.2	78
A1524S/D-1W	13.5 ~ 16.5	±24VDC/±21mA	±4	1	78
A2405S/D-1W	21.6 ~ 26.4	±5VDC/±100mA	±10	10	76
A2412S/D-1W	21.6 ~ 26.4	±12VDC/±42mA	±4	4.7	76
A2415S/D-1W	21.6 ~ 26.4	±15VDC/±33mA	±3	2.2	77
A2424S/D-1W	21.6 ~ 26.4	±24VDC/±21mA	±2	1	78

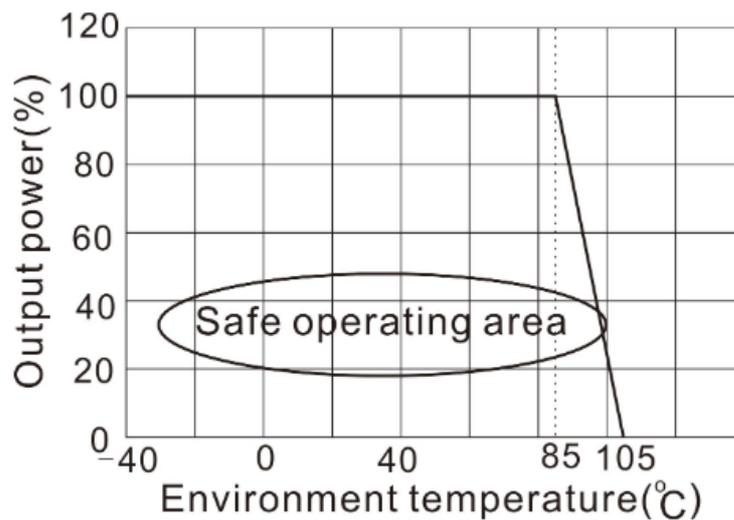
General features

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)	75 mV(TYP) 100 mV(MAX)
Switching frequency	100KHz(TYP)

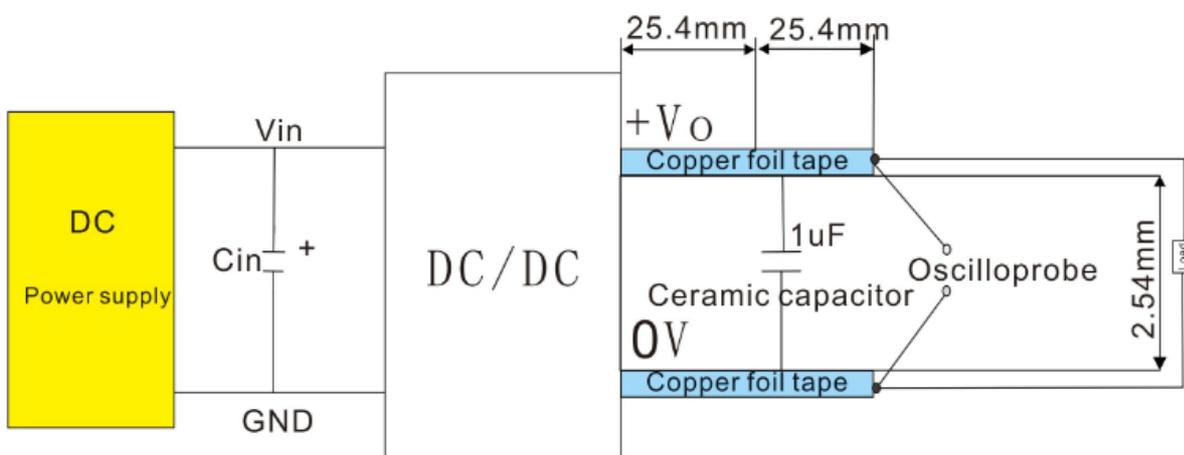


Temperature drift coefficient (nominal voltage input 100% load, and 40 °C ~ + 85 °C)	±0.03%/°C(MAX)
Store humidity	95%(MAX)
Working environment temperature	-40°C ~ 85°C
Storage temperature	-55°C ~ 125°C
The shell heats up when the product works	35°C (TYP)
Insulation strength (1 minute test time, less 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



## Application notices