Constant pressure input unsteady double output

B0505LS-1W
● RoHS   2121
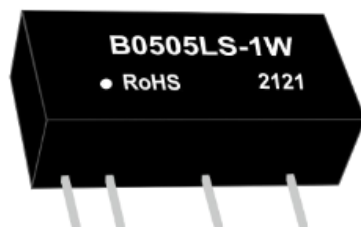
RoHS

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 (%)
B0505LS/LD-1W	4.5～5.5	5VDC/200mA	20	10	75
B0512LS/LD-1W	4.5～5.5	12VDC/83mA	9	4.7	78
B0515LS/LD-1W	4.5～5.5	15VDC/67mA	7	2.2	79
B0524LS/LD-1W	4.5～5.5	24VDC/42mA	4	1	80
B1205LS/LD-1W	10.8～13.2	5VDC/200mA	20	10	76
B1212LS/LD-1W	10.8～13.2	12VDC/83mA	9	4.7	80
B1215LS/LD-1W	10.8～13.2	15VDC/67mA	7	2.2	80
B1224LS/LD-1W	10.8～13.2	24VDC/42mA	4	1	79
B1505LS/LD-1W	13.5～16.5	5VDC/200mA	20	10	75
B1512LS/LD-1W	13.5～16.5	12VDC/83mA	9	4.7	77
B1515LS/LD-1W	13.5～16.5	15VDC/67mA	7	2.2	78
B1524LS/LD-1W	13.5～16.5	24VDC/42mA	4	1	78
B2405LS/LD-1W	21.6～26.4	5VDC/200mA	20	10	76
B2412LS/LD-1W	21.6～26.4	12VDC/83mA	9	4.7	76
B2415LS/LD-1W	21.6～26.4	15VDC/67mA	7	2.2	77
B2424LS/LD-1W	21.6～26.4	24VDC/42mA	4	1	78

General features

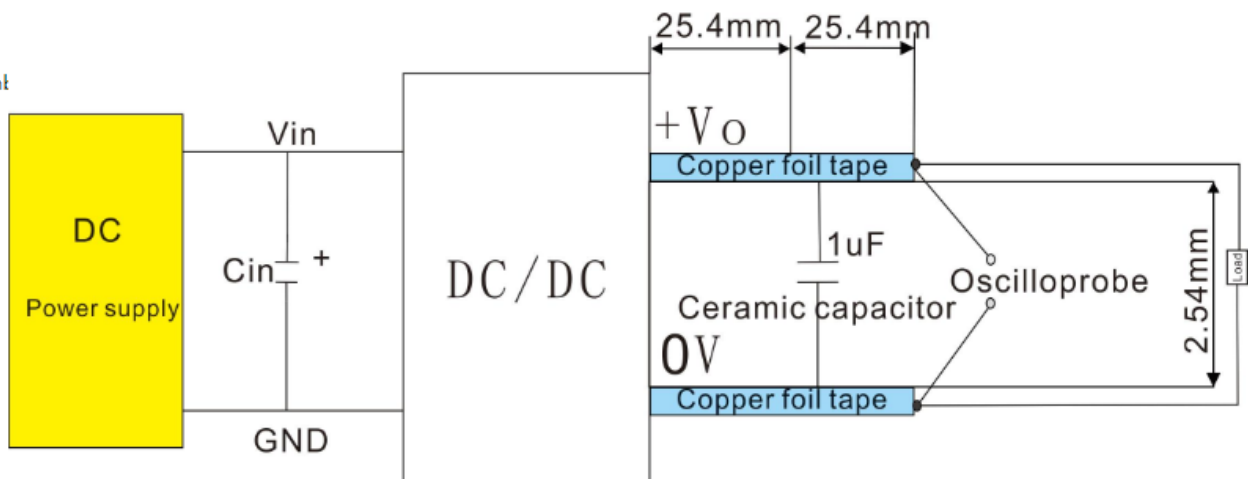|	
Output voltage accuracy (nominal voltage input, 100% load)	-7.5（MIN），+2.5(MAX)
Load Regulation	15(TYP) 20(MAX)
Voltage regulation factor	1(TYP) ±1.2（MAX）
Output ripple + noise (20MHz bandwidth, nominal voltage input 100% load)	75 mV(TYP) 100 mV(MAX)
Switching frequency	100KHz(TYP)
Temperature drift coefficient (nominal voltzge input 100% load, and 40 ℃～＋85 ℃)	±0.03%/℃(MAX)
Store humidity	95%(MAX)

Working environment temperature	-40℃ ~ 85℃
Storage temperature	-55℃ ~ 125℃
The shell heats up when the product works	35℃ (TYP)
Insulation strength (1 minute test time, less than 0.5MA leakage current)	3000VDC
Cooling way	Natural cooling
The average time between failures (TA = 25 ℃)	1 million hours (MIN)
Insulation resistance (insulation voltage 500VDC)	1000MΩ(MIN)
The shell material	Flame retardant heat-resistant plastics(UL94-V0)

Reduction curve
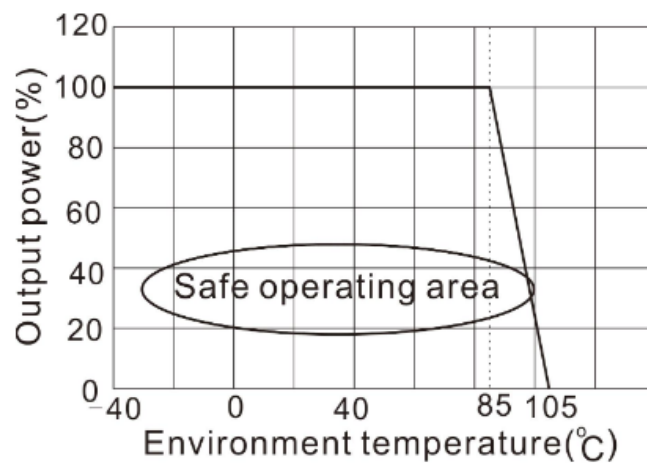
Test method of ripple and noise

NOTE:
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Application notices