

DBE-2 SERIES, 2WATT, 1.5KVDC, UNREGULATED

FEATURES:

- ✓ 1500Vdc isolation voltage
- ✓ Single output models
- ✓ Operating temperature range -40°C to +85°C
- ✓ Short circuit protection
- ✓ 3 year warranty



Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)		Efficiency Typ.
			Min.	Max.	
DBE2-0310	3.3(3.0~3.6)	3.3	40	400	73%
DBE2-0311		5	40	400	78%
DBE2-0312		9	22.2	222	72%
DBE2-0313		12	16.7	167	72%
DBE2-0314		15	13.3	133	72%
DBE2-0510	5(4.5~5.5)	3.3	40	400	74%
DBE2-0511		5	40	400	80%
DBE2-0512		9	22.2	222	84%
DBE2-0513		12	16.7	167	83%
DBE2-0514		15	13.3	133	84%
DBE2-1210	12(10.8~13.2)	3.3	40	400	72%
DBE2-1211		5	40	400	81%
DBE2-1212		9	22.2	222	82%
DBE2-1213		12	16.7	167	85%
DBE2-1214		15	13.3	133	82%
DBE2-1510	15(13.5~16.5)	3.3	40	400	72%
DBE2-1511		5	40	400	80%
DBE2-1512		9	22.2	222	72%
DBE2-1513		12	16.7	167	72%
DBE2-1514		15	13.3	133	80%
DBE2-2410	24(21.6~26.4)	3.3	40	400	76%
DBE2-2411		5	40	400	80%
DBE2-2412		9	22.2	222	83%
DBE2-2413		12	16.7	167	84%
DBE2-2414		15	13.3	133	72%

Notes: 1. other input and output models may available on request;

2. Add suffix "P" for continuous short circuit protection.

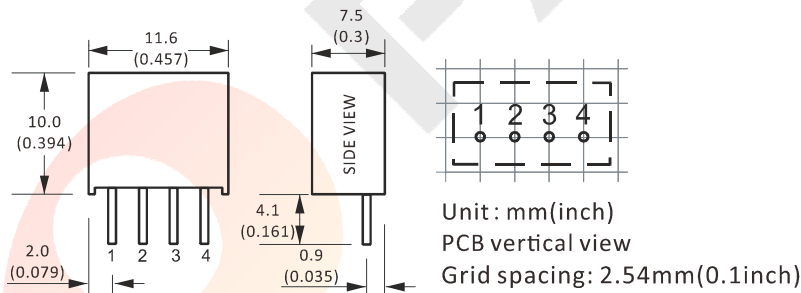
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ELECTRICAL

Line regulation	---	±1.5% max.
Load regulation	10% ~ 100% full load	15% max.
Isolation voltage	Leakage current < 1mA/1min.	1500Vdc min.
Isolation resistance	Test at 500VDC	1000mΩ min.
Switching frequency	---	100KHz typ.
Ripple & noise	Band width 20MHz	100mVp-p max.
Temperature coefficient	Rated load	±0.03%/°C
Operating temperature range	---	-40°C to +85°C
Storage temperature range	---	-55°C to +125°C
Short circuit protection	---	1S
MTBF	---	3500KHrs
Weight	---	1.8g

Notes: All the parameters are measured at 25°C ambient temperature, humidity < 75%, nominal input voltage, full load and after warm-up, unless otherwise specified.

MECHANICAL



CONNECTION

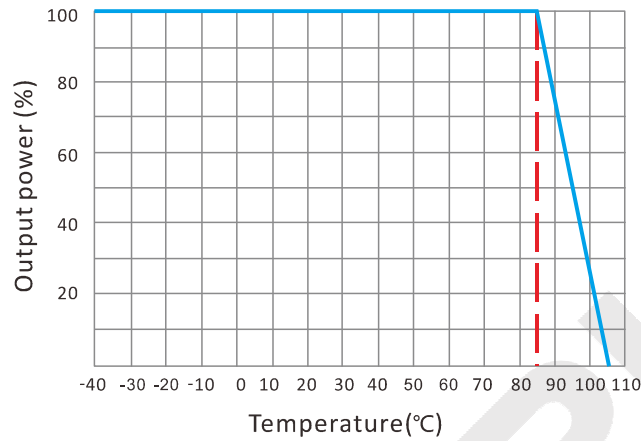
PIN #	SINGLE
1	GND
2	+Vin
3	0V
4	+Vo

Note:

* Unit is mm(inch).

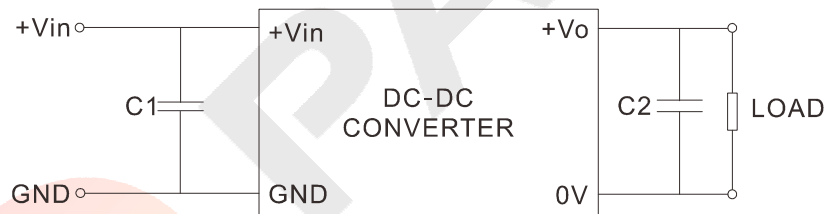
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ELECTRICAL CURVE



NOTES

RECOMMENDED TEST AND APPLICATION CIRCUIT



CAPACITOR SELECTION

INPUT VOLTAGE	C1	OUTPUT VOLTAGE	C2
3.3VDC	4.7μF	3.3VDC	4.7μF
5VDC	4.7μF	5VDC	4.7μF
12VDC	2.2μF	9VDC	2.2μF
15VDC	2.2μF	12VDC	1.0μF
24VDC	1.0μF	15VDC	0.47μF