HIGH VOLTAGE POWER INDUCTORS 贴片功率电感 HVB 系列

FEATURES

- Excellent solderability and heat resistance.
- With magnetic shield against radiation.
- Various high power inductors are superior to be high saturation.
- Suitable for surface mount equipment.
- Designed for 400VDC Applications

特 征

- 优秀的焊锡性及耐热性；
- 带屏蔽罩，防止高频辐射干扰；
- 大功率，高饱和电流，低阻抗；
- 适合表面贴装；
- **设计用于 400VDC**。

APPLICATIONS

- Non-isolated buck or Buck-Boost Converter like PI LinkSwitch-TN ,constant current LED Driver, Utility metering, Filter for power supply.

用 途

- 非隔离降压或降压-升压转换器，如 PI LinkSwitch TN，恒流 LED 驱动器，公用事业计量，电源滤波器。

DIMENSIONS AND LAND PATTERNS(mm)

FIG1

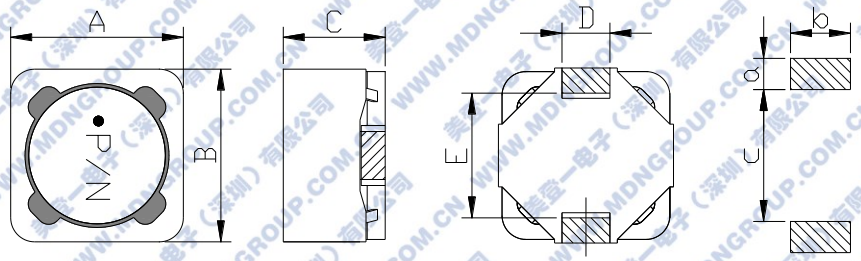
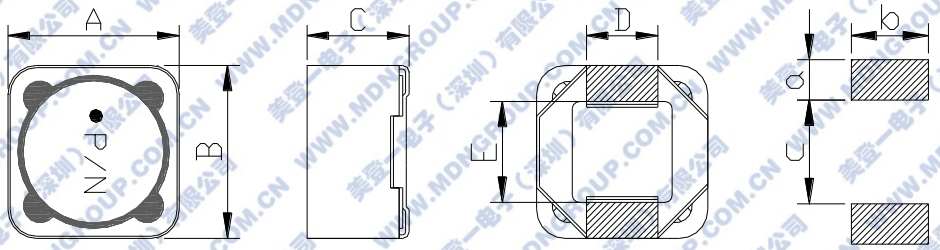


FIG2



TYPE	A±0.5	B±0.5	C max	D±0.5	E±0.5	a ref	b ref	c ref	Fig
HVB73	7.3	7.3	3.5	2.0	5.2	2.0	2.5	4.0	1
HVB74	7.3	7.3	4.5	2.0	5.2	2.0	2.5	4.0	1
HVB129	12.0	12.0	10.5	5.0	7.5	2.9	5.4	7.0	2

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HVB73-SERIES

TYPE	Inductance (uH)±20% @100KHz&0.25V	DC resistance (mΩ) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HVB73-471M	470	3.5	0.35	0.25
HVB73-681M	680	5.2	0.26	0.22
HVB73-821M	820	8.2	0.23	0.18
HVB73-102M	1000	9.0	0.20	0.17

HVB73-SERIES

TYPE	Inductance (uH)±20% @100KHz&0.25V	DC resistance (mΩ) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HVB74-470M	47	0.28	1.10	1.0
HVB74-221M	220	1.3	0.50	0.56
HVB74-471M	470	3.2	0.37	0.35
HVB74-561M	560	3.6	0.35	0.33
HVB74-681M	680	4.0	0.30	0.30
HVB74-102M	1000	6.0	0.25	0.24

HVB129-SERIES

TYPE	Inductance (uH)±20% @100KHz&0.25V	DC resistance (mΩ) Max	DC saturation allowable current (A)max	Temperature rise allowable current (A)max
HVB129-221M	220	0.35	2.0	1.3
HVB129-471M	470	0.80	1.4	0.97
HVB129-681M	680	1.15	1.2	0.80
HVB129-102M	1000	1.40	0.9	0.72
HVB129-152M	1500	2.20	0.8	0.52
HVB129-222M	2200	3.70	0.65	0.43
HVB129-332M	3300	5.20	0.52	0.37
HVB129-472M	4700	7.80	0.48	0.30
HVB129-682M	6800	9.60	0.38	0.28

REMARK: 1、DC saturation allowable current: Value of inductance decrease within -30%;
2、Temperature rise allowable current: A rise in temperature of core surface is within 40℃。