

一般材料的性能:

铁片的核心系列, 采用先进的压缩技术与特殊的高纯度铁合金粉末, 这表明比普通铁粉芯磁芯损耗更低。核心是合适的选择, 如果你的产品必须满足应用在大电流和高频率高达 1MHz。

特征:

- 1、表面贴装电感器低调包装。
- 2、磁屏蔽的高密度板装配结构。
- 3、良好的直流电流特性在高频和高温。
- 4、储能容量大。
- 5、客户规格设计足够的工程能力。

应用:

- 1、笔记本电脑和掌上电脑。
- 2、直流/直流分布式电源系统和手持设备的转换器。
- 3、一般用途的电感。

General material properties:


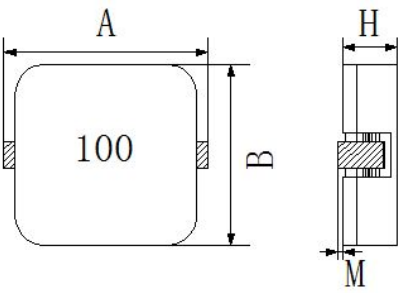
ZYD SMD Core series are made by advanced compacting technology with special high purity iron-alloyed powders, which show much lower core loss than normal iron powder cores. And the cores are suitable selection if your products have to meet applications in high current and high frequency up to 1MHz.

Features:

1. Low profile package for surface mount inductors.
2. Magnetic shielded construction for high density board assembly.
3. Good DC current characteristics in high frequency and high temperature.
4. Large energy storage capacity.
5. Sufficient engineering capability for customer specification design.

Applications:

- 1、Laptop and notebook computers and PDAs.
- 2、DC/DC converters in distributed power systems and handheld equipment.
- 3、Inductor for general purpose use.

SZD			A: 5.4~19.5 B: 6.7~18.3 H: 3.0~10.0 M: +0.3/-0 N: 3.0~8.7 E: 1.0~3.0 D: 1.2~3.0 F: 2.0~5.0 (Unit:mm)

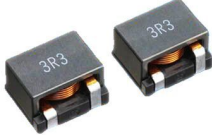
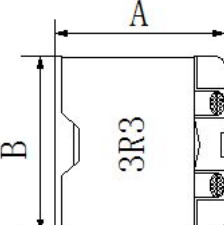
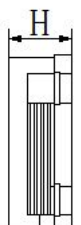
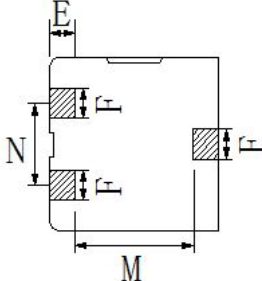
型号 TYPE	测试条件 Test Condition	电感值 (μH) ±20% Inductance	直流电阻 (mΩ) ±30% DC Resistance	饱和电流(A)Max Saturation Current	温升电流(A)Max Heat Rated Current
SZD7005	100KHZ/1.0V	0.13~2.2	1.0~18.4	6.5~22.0	9.0~48.0
SZD7004	100KHZ/1.0V	0.33~4.7	2.5~32.0	6.0~22.0	5.0~20.0
SZD7003	100KHZ/1.0V	0.68~10.0	2.5~50.0	5.0~16.0	4.0~15.0

型号 TYPE	测试条件 Test Condition	电感值 (μH) ±20% Inductance	直流电阻 (mΩ) ±30% DC Resistance	饱和电流(A)Max Saturation Current	温升电流(A)Max Heat Rated Current
SZD1006	100KHZ/1.0V	0.2~1.2	1.5~3.5	19.0~27.0	21.0~40.0
SZD1005	100KHZ/1.0V	1.0~4.7	2.0~8.0	11.0~19.0	14.0~24.0
SZD1004	100KHZ/1.0V	1.0~4.7	2.0~8.0	12.0~22.0	15.0~25.0
SZD1003	100KHZ/1.0V	0.47~6.8	1.0~12.0	11.0~22.0	8.0~29.0


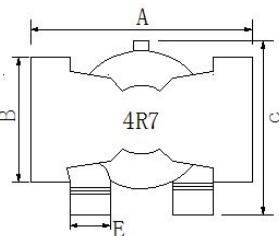
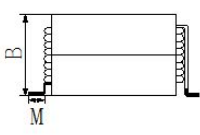
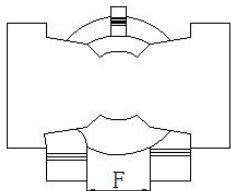
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SZD1207	100KHZ/1.0V	0.3~4.8	1.9~16.3	11.0~35.0	7.0~18.5
SZD1206	100KHZ/1.0V	10.0~47.0	15.0~23.1	7.7~9.2	3.0~12.5
SZD1205	100KHZ/1.0V	0.36~4.3	1.2~48.0	3.9~20.0	7.7~28.0
SZD1204	100KHZ/1.0V	0.9~58.0	0.24~0.96	2.1~10.3	4.3~34.0

PEMARK:

- 1、电感公差范围/Inductance tolerance range: $L \leq 8.2 \mu H \pm 20\%$; $L \leq 10 \mu H \pm 10\%$ 。
- 2、额定电流/Idc(Rated DC Current): 电感值下降至初期值的 10% 或温度上升至 40℃ 时的直流电流值中的最小值 (环境温度 20℃)。

SKD					A:10.5~13.5 B:10.0~12.5 H:4.0~6.5 M:6.7~8.2 N:5.6 E:2.0 F:2.6 (Unit:mm)
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型号 TYPE	测试条件 Test Condition	电感值 (μH) ±20% Inductance	直流电阻 (mΩ) ±30% DC Resistance	饱和电流(A)Max Saturation Current	温升电流(A)Max Heat Rated Current
SKD1045	100KHZ/1.0V	0.22~2.5	1.8~18.2	5.0~18.0	11.8~39.6
SKD1056	100KHZ/1.0V	0.22~5.0	1.4~19.0	4.9~19.0	8.4~26.4
SKD1065	100KHZ/1.0V	0.36~5.6	1.0~8.2	8.0~24.0	9.0~25.0
SKD1240	100KHZ/1.0V	0.35~5.6	1.2~17.5	10.0~35.0	6.0~25.0
SKD1256	100KHZ/1.0V	0.35~5.6	1.2~11.2	7.6~19.5	9.5~35.0

SBD					A:20.0~27.0 B:14.0~19.0 C:18.4~27.9 E:3.5~4.0 F:5.0~6.6 M:2.0~3.8 H:12.0~18.0 (Unit:mm)
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型号 TYPE	测试条件 Test Condition	电感值 (μH) ±20% Inductance	直流电阻 (mΩ) ±30% DC Resistance	饱和电流(A)Max Saturation Current	温升电流(A)Max Heat Rated Current
SBD2012	100KHZ/1.0V	3.3~33.0	4.6~6.8	16.0~20.0	7.0~49.0
SBD2014	100KHZ/1.0V	2.2~15.0	1.5~8.7	14.0~28.0	21.0~52.0
SBD2016	100KHZ/1.0V	0.7~47.0	0.83~2.2	21.0~75.0	12.0~32.0
SBD2915	100KHZ/1.0V	1.5~33.0	1.5	30.0	2.6~100.0
SBD2918	100KHZ/1.0V	3.3~33.0	2.6	58.0	8.7~92.0

■ 记事 Notes

- 电感值测试仪: HP4286A/CH1062A 或等同 LCR Meter.
Inductance instrument: HP4286A/CH1062A or LCR Meter equivalent.
- 电感测试条件: 100KHz/1KHz.
Inductance testing condition: 100KHz/1KHz.
- 电阻测试仪: TH2512B 或等同的 DCR 测试设备。
DCR instrument: TH2512B or DCR test equipment equivalent.
- 额定电流测试: VR7210&VR113H.
Rated Current test: VR7210&VR113H.
- 额定电流定义: 电感下降 20%或温度上升 40℃时取其最小值作为额定电流。
Rated Current definition: Inductance drop by 20% or temperature rise by 40℃, the lesser of the minimum as the rated current.
- 贮藏温度: -40℃~+80℃; 相对湿度: RH65%~85%。
Temperature storage range: -40℃~+80℃;the relative humidity:RH65%~85%.

如果你需要进一步了解振亚达一体成型电感产品的详细参数, 请继续关注振亚达产品系列说明书。或登录我司网站:
www.zyd-coils.com 浏览。

If you need to further understand the detailed parameters of vibration Yada forming one inductor products, please continue to pay attention to the vibration ADAR products series of instructions. Or log in to our website: www.zyd-coils.com. browse.