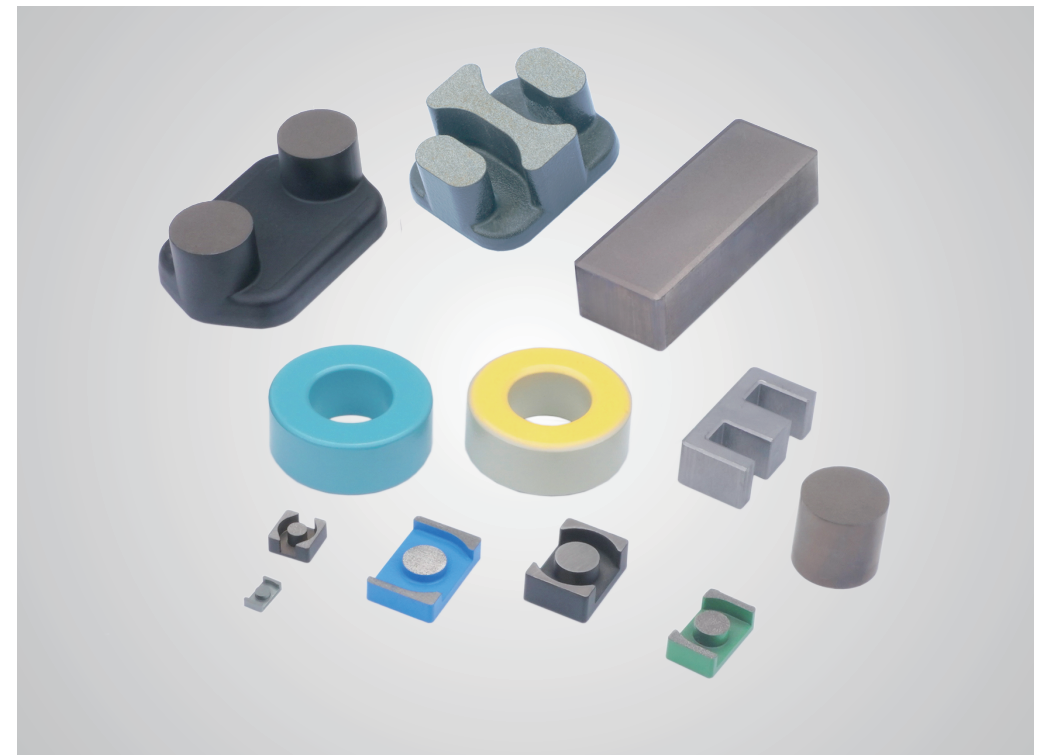




POWDER CORE SERIES

- 金属磁粉芯系列产品



材料简介 · Introduction of materials

铁硅铝 (Sendust) ——DS

合金粉末内含85%的铁, 9%的硅和6%的铝, 磁心内有均匀分布的气隙, 有良好的直流叠加特性, 饱和磁通密度可达10000Gauss, 在高频下具有低损耗特性。磁致伸缩系数接近零, 可广泛应用于在线噪声滤波器、开关电源中的电感器、太阳能逆变器等领域, 相对于铁粉芯, 铁硅铝拥有更高的效率。

The alloy powder contains 85% Fe, 9% Si and 6% Al. The core has evenly distributed air gap, good DC superposition characteristics, saturated flux density up to 10000 Gauss, low loss characteristics at high frequency. Magnetostrictive coefficient is close to zero, which can be widely used in online noise filter, inductor in switch power supply, solar inverter and other fields. Compared with Fe powder core, the FeSiAl core has higher efficiency.

铁镍 (High Flux) ——DH

合金粉末内含50%镍和50%铁, 在所有磁粉芯中, High Flux具有最佳的直流偏置能力, 其饱和磁通密度可达15000Gauss, 相对于铁粉芯, High Flux磁粉芯的损耗更低, 直流偏置能力更高; 相对于偏置能力同样优秀的铁硅磁粉芯, High Flux磁粉芯的损耗更低。该材质可广泛应用于高Q滤波器、谐振电感、精密电路等领域。

The alloy powder contains 50% Ni and 50% Fe. In all magnetic powder cores, High Flux has the best DC bias ability and its saturated Flux density can reach 15000 Gauss. Compared with Fe core, High Flux core has lower loss and higher DC bias ability. Compared with the FeSi core which also has excellent bias ability, the loss of High Flux core is lower. The material can be widely used in high Q filter, resonant inductance, precision circuit and other fields.

材料简介 · Introduction of materials

铁镍钼 (MPP) ——DM

合金粉末内含81%的镍, 17%的铁及2%的钼, 饱和磁通密度可达7000Gauss以上。MPP具有高磁阻, 低损耗、较高的储能能力, 良好的温度稳定性等特点, 应用于高Q滤波器、高温电感器和滤波器、单端反激变压器等领域

The alloy powder contains 81% Ni, 17% Fe and 2% Mo, and the saturation flux density can reach over 7000 Gauss. MPP has the characteristics of high reluctance, low loss, high energy storage capacity, good temperature stability and so on. It is applied in the fields of high Q filter, high temperature inductor and filter, single end flyback transformer and so on.

铁硅——DH

分布式气隙磁粉芯, 由含硅6.5%的铁粉制成。损耗比铁粉芯低, 具有极佳的直流偏置能力, 其饱和磁通密度可达15000Gauss以上, 适用于各种大电流的应用环境, 例如UPS电源、太阳能逆变器等, 另外在一定的条件下, 铁硅是可以取代High Flux磁心的一种经济型选择。

The distributed air gap magnetic powder core is made of Fe powder containing silicon 6.5%. Its loss is lower than that of Fe powder core, and it has excellent dc bias ability, and its saturation Flux density can reach over 15000 Gauss. It is suitable for all kinds of high-current application environments, such as UPS power supply, solar inverter, etc. In addition, under certain conditions, The FeSi core is an economical choice that can replace High Flux core.

材料简介 · Introduction of materials

特殊功耗——DSH/DSG/DNH/DH-T

有更好的直流偏置能力和更低的损耗，因此非常适用于一些要求高效能的应用领域，例如服务器、汽车部件和太阳能部件。它们可以成为非晶磁芯的良好替代品，并且表现出优异的热性能。

DSH——比传统铁硅铝更低的损耗，较高的直流偏置能力

DSG——优异的高频特性，超低的损耗，且直流偏置能力优于传统铁硅铝

DNH——与铁硅相同的直流偏置特性，兼具传统铁硅铝的低损耗特性

DH/T——高磁通磁芯材质，超低的损耗，且保持High-flux的高叠加

It is an upgraded version of the FeSi material, which has better DC bias and lower losses than traditional sendust, making it ideal for applications that require high efficiency, such as servers, automotive parts and solar components. They can be a good substitute for amorphous cores, and exhibit excellent thermal properties.

DSH - Lower loss and better DC bias capability than traditional FeSiAl

DSG - Excellent high frequency characteristics, ultra-low loss, and DC bias capability better than FeSiAl

DNH - Close to the DC bias characteristics of FeSi, with the low-loss characteristics of traditional FeSiAl

DH/T——Belong to High-flux Material, ultra-low loss than DH but keep same DC bias

东磁生产的磁粉芯环形产品均会涂覆一层防腐防潮防氧化的涂层，涂层材质可以是多样的，常规是环氧树脂涂层，也可以提供聚对二甲苯涂层。

本目录中涉及的涂层尺寸均为环氧树脂涂层，单边的涂层厚度一般在0.15~0.3mm。环氧树脂涂层的最大稳态运行温度为130°C。

Sendust、MPP、High Flux、Ma-FLux和Multi-Alloy磁粉芯均可在200°C下持续工作（不包括涂层），且不会出现老化现象。

Ring products of magnetic powder core produced by DMEGC will be coated with a layer of anti-corrosion, moisture-proof and anti-oxidation coating. Coating materials can be diverse. The general is epoxy resin coating and can also provide poly-p-xylylene coating.

The coating sizes involved in this catalog are all epoxy resin coatings, and the one-side coating thickness is generally 0.15~0.3mm.

The maximum stable operating temperature of epoxy resin coating is 130°C.

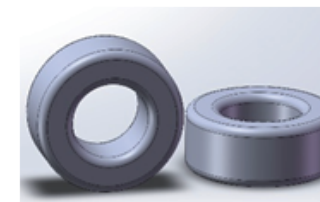
All of Sendust、MPP、High Flux、Ma-FLux and Multi-Alloy magnetic cores can work continuously at 200°C (excluding coating) without aging.

磁芯命名规则 · Naming rules of cores

DMEGC生产的磁粉芯有其特有的型号，该型号包含了该磁粉芯的重要特性信息。对磁芯的命名规则做如下说明：

Magnetic powder cores produced by DMEGC have unique models of themselves, the model contains important characteristic information of the magnetic powder core. The naming rules for cores are described as follows:

环型Torroid Cores

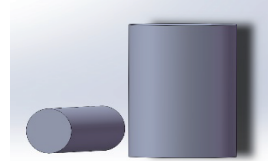


D H 2 7 0 0 6 0 A 18

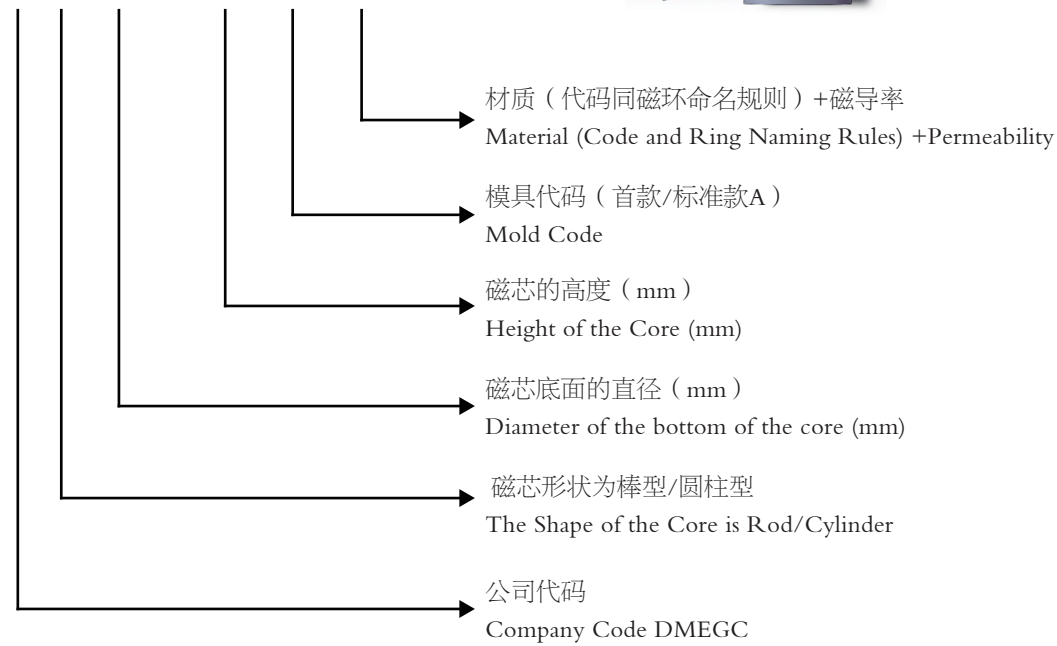


磁芯命名规则 · Naming rules of cores

棒型/圆柱型 Rod/Cylindrical

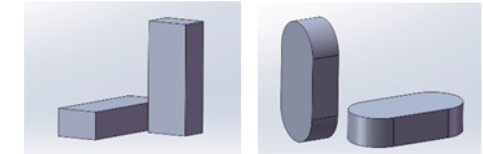


D P 5.2 x 7.3 A-S060

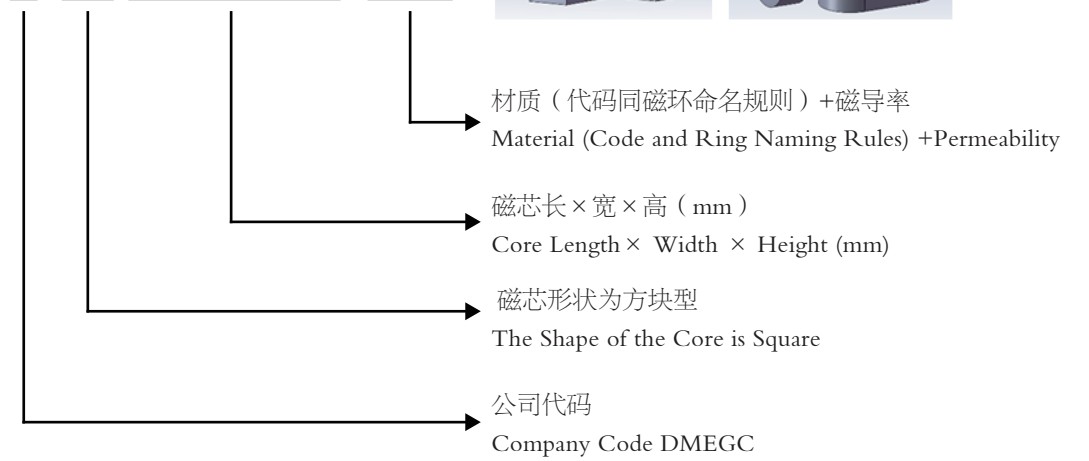


磁芯命名规则 · Naming rules of cores

方块型 Block Type

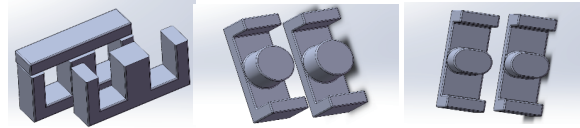


D FK 60 x 30 x 15-S060

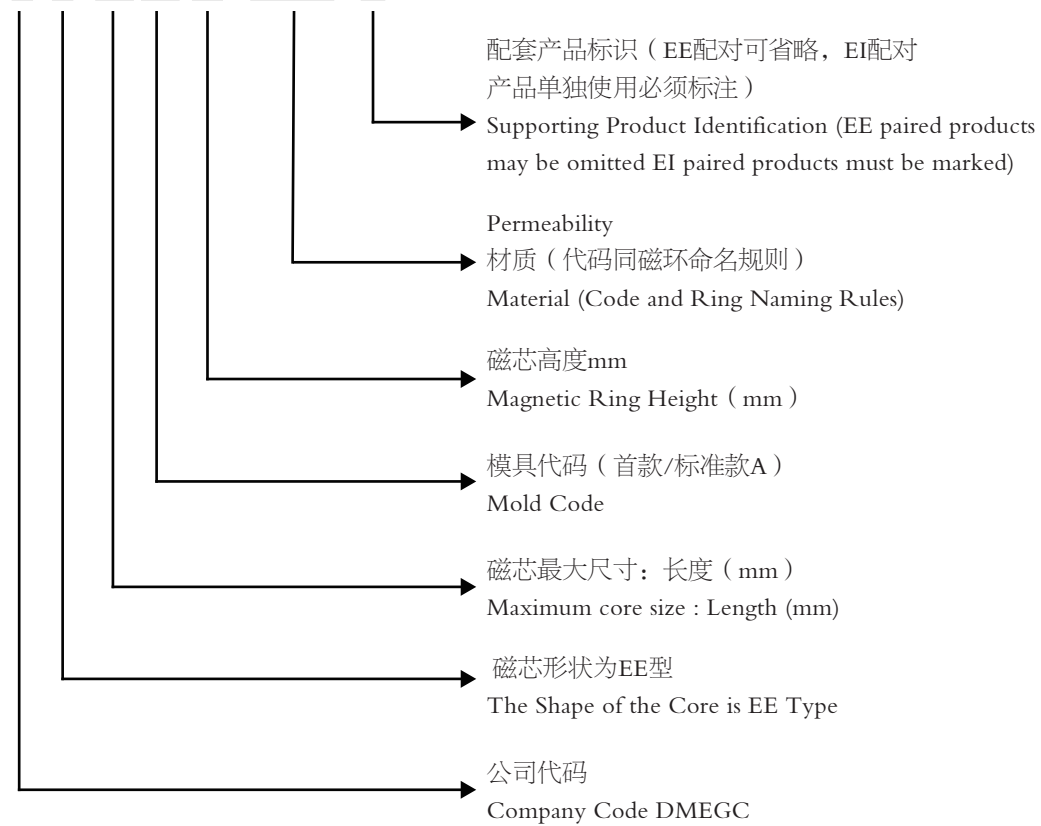


磁芯命名规则 · Naming rules of cores

E型E Type

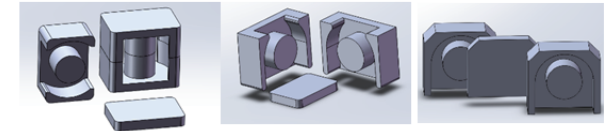


D E 80 A 10-S060-E

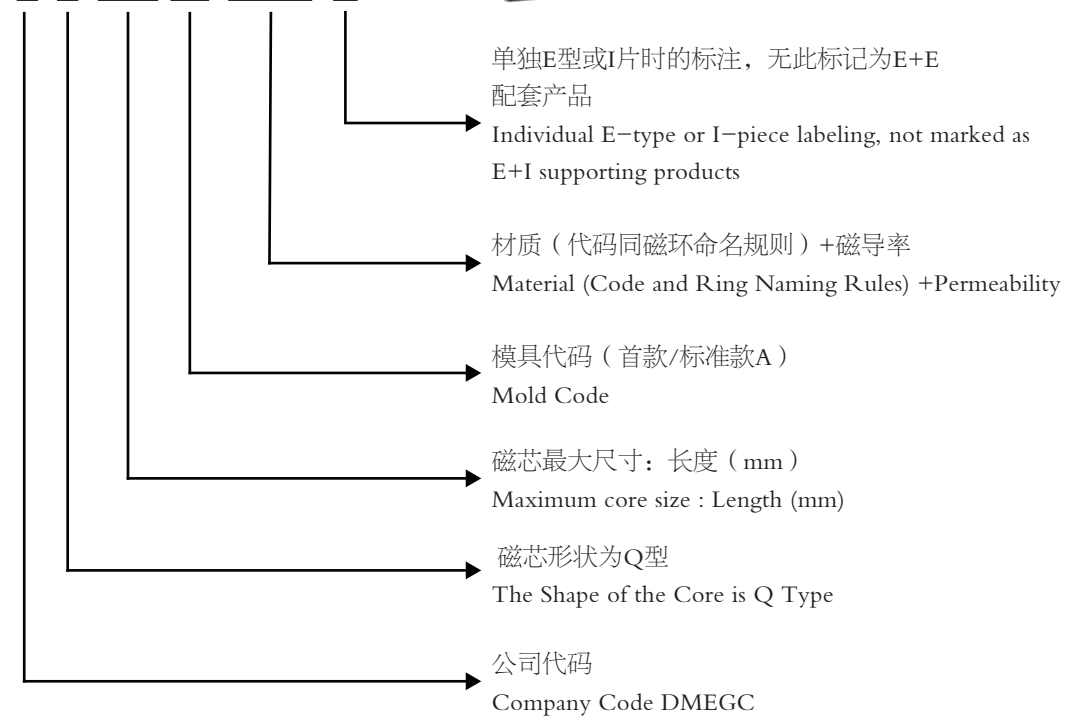


磁芯命名规则 · Naming rules of cores

Q型Q Type



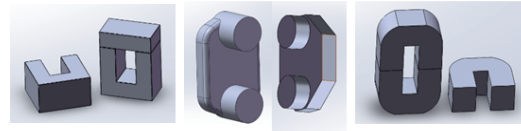
D Q 12.7 A-S060-I



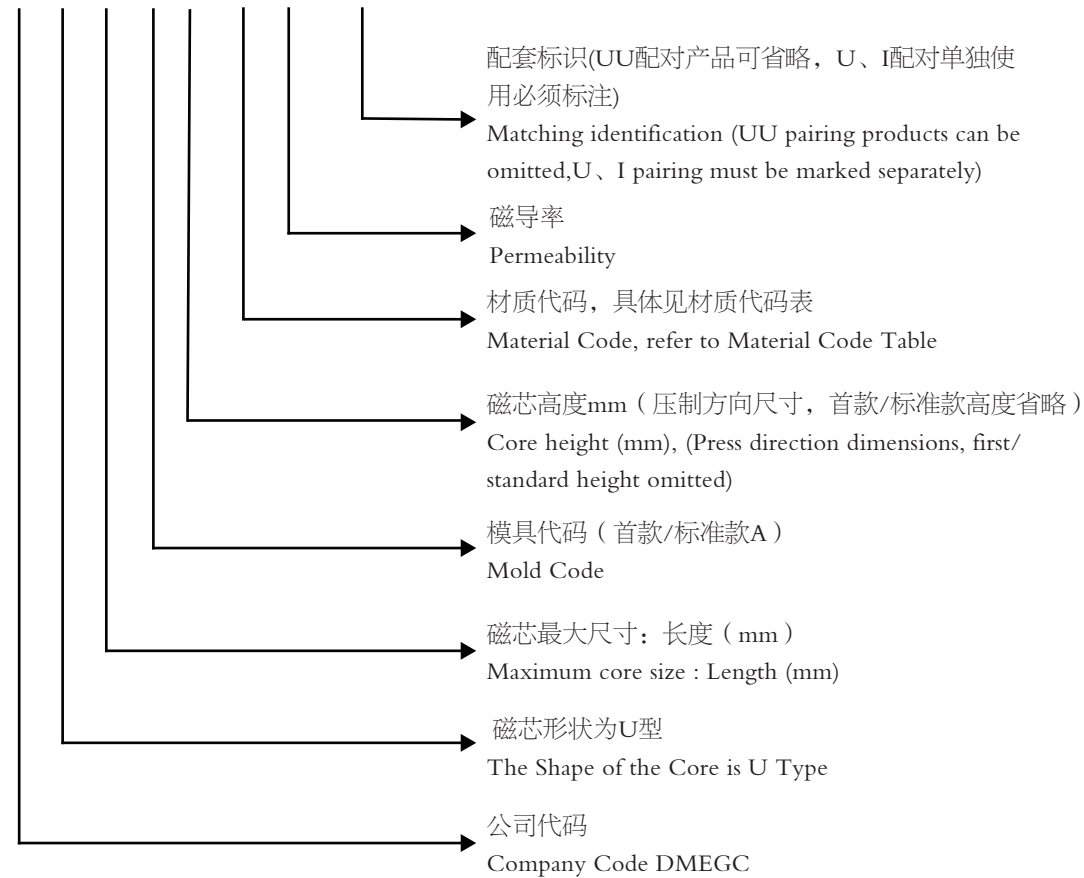
Q型的磁芯结构有很多, 根据结构不同, 在命名上会有些许区别, 如QC、QY等。
There are many core structures of Q type. Depending on the structure, there will be some differences in naming, such as QC, QY, etc.

磁芯命名规则 · Naming rules of cores

U型 U Type



D U 50 A10-H060-U



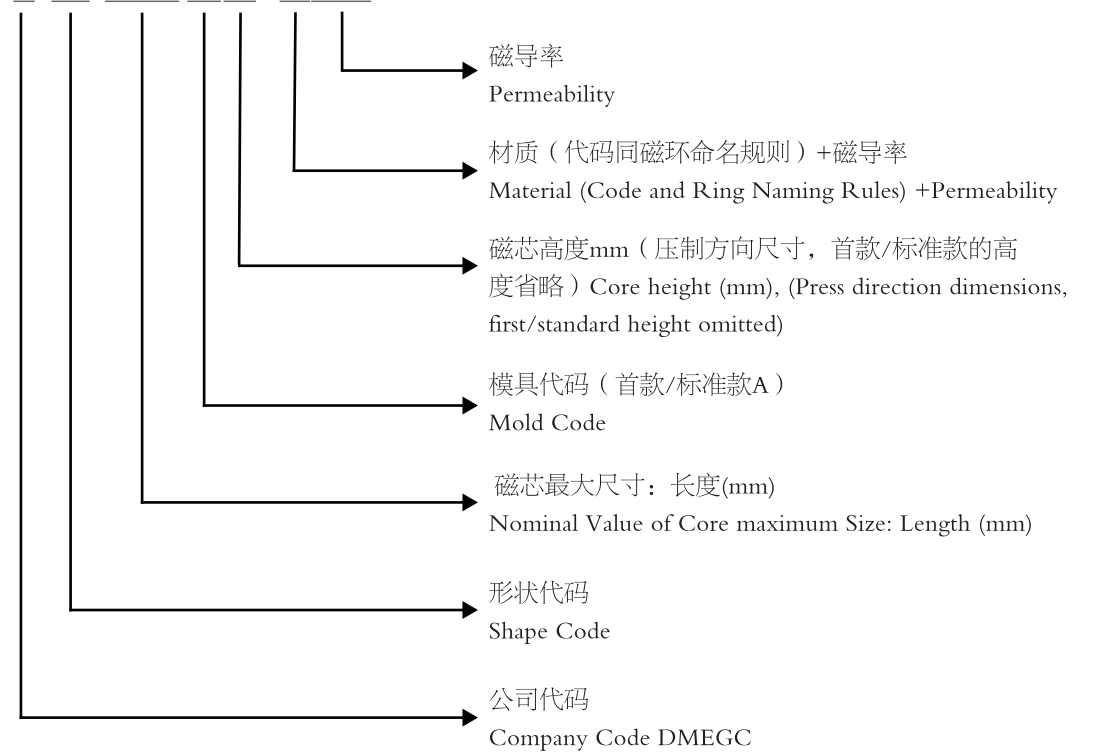
U型的磁芯结构有很多, 根据结构不同, 在命名上会有些许区别, 如UC、UY等。

There are many core structures of Q type. Depending on the structure, there will be some differences in naming, such as QC, QY, etc.

磁芯命名规则 · Naming rules of cores

跑道型 Track Type

D FT 36.2 A10-H060



其他异形磁芯及新型磁心命名规则

规则说明:

形状代码可选用英文缩写、拼音缩写，尽量采用行业通用代码；

Shape code can choose English abbreviations, Pinyin abbreviations, as far as possible to use industry code.

尺寸信息一般采用产品除高度以外的最大尺寸，需增加其他尺寸时用“×”连接；

Dimensional information generally uses the maximum size of the product other than height, need to add other dimensions with the "x" connection.

模具代号选用A→Z、AB→ZZ字母标注模具版本，初版或标准款A，代用情况必须标注；

Mold code selection A→Z、AB→ZZ letter marking mold version, initial version or standard A, substitution must be marked

磁芯高度初版或标准款省略，高度调整款需标注最终高度；


Magnet height initial edition or standard section omitted, height adjustment to mark the final height.

配套标识EE及类似EE配对产品省略，EI及类似EI配对、单独使用必须标注“-E”或“-I”

Matching identification EE and similar EE pairing products omitted, EI and similar EI pairing, separate use must be marked

" or "-I"

形状代码（部分）

| 形状 | | 代码 | 形状 | | 代码 |
|---|--------------|----|---|--------|----|
|  | 环形 Toroidal | 省略 |  | EQ型 | Q |
|  | 方块 Block | FK |  | EER型 | |
|  | 菱形方块 Rhombus | 暂无 |  | EQC型 | QC |
|  | 圆柱 Cylinder | P |  | E型 | E |
|  | 椭圆 Ellipse | YK |  | EI 配对型 | |
|  | 跑道型 | FT |  | U型 | U |

材质代码及其物理特性

| 材质 | 成分类别 | 磁导率阈值 | Bs 饱和磁通密度 T | 居里温度 TC/°C | 密度 g/cm ³ |
|------|-------------|--------|-------------|------------|----------------------|
| DF | Fe-Si | 26~90 | 1.5 | 650 | 6.1 |
| DFG | | 26~90 | 1.6 | 650 | 6.2 |
| DS | Fe-Si-Al | 26~125 | 1.05 | 460 | 5.9 |
| DSH | | 26~90 | 1.05 | 460 | 6.0 |
| DSG | | 19~90 | 1.1 | 460 | 6.1 |
| DH | Fe-Ni | 26~200 | 1.5 | 500 | 7.5 |
| DH/T | | 26~90 | 1.5 | 500 | 7.4 |
| DNH | Fe-Si-Al-Ni | 26~125 | 1.4 | 500 | 6.5 |
| DM | Fe-Ni-Mo | 26~300 | 0.8 | 450 | 7.6 |

说明:

对于带“/”的材质，在无法显示“/”的场景（如文件名、某些物料系统）可用“-”代替，但是在产品打字和相关的纸质印刷品等文件中必须使用“/”。

For materials with "/", use "-" instead in scenarios where "/" can not be displayed (e.g. file name, certain material systems), but in documents such as product typing and related paper prints must use "/".

基础术语、定义与计算公式 Basic terms, definitions and calculation formulas

初始磁导率 / Initial permeability

初始磁导率是B/H的极限值，在这里H值（铁磁物质的初始磁化曲线中）无限趋近于0，公式表述如下：

The initial permeability is the limit value of B/H, where the H value (in the initial magnetization curve of ferromagnetic material) approaches infinitely to 0, The formula is as follows:

$$\mu_i = \lim_{H \rightarrow 0} \frac{B}{\mu_0 H}$$

μ_i : 初始磁导率 / Initial permeability
 μ_0 : 真空磁导率 $\mu_0 = 4\pi \times 10^{-7}$ / permeability of vacuum
 B: 交流磁场强度 (A/m) / Flux Density
 H: 磁通密度 (T) / Magnetic Field Strength

注：磁性材料的初始磁导率用一只绕着导线的磁环磁芯来测定，公式表述如下：

Note: The initial permeability of magnetic materials is measured by a magnetic ring core with a coil. The formula is as follows:

$$\mu_i = \frac{L - L_0}{4\pi \cdot N^2 \cdot Ae} \cdot 10^9$$

L: 带磁芯的线圈电感 (H) / Coil inductance with core
 L_0 : 不带磁芯的线圈电感 / Coil inductance without core
 N: 线圈匝数 (Ts) / Number of turns
 Ae : 磁芯有效截面积 (cm²) / Effective Across Section Area
 le : 磁芯有效磁路长度 (cm) / Effective Magnetic Path Length

电感系数 (AL) / Inductance factor

线圈的电感量L与线圈匝数N的平方之比，称为磁心的电感系数。与磁芯的形状、尺寸、磁导率、线圈绕法及线圈与磁芯的相对位置等因素有关。即：

The ratio of inductance L of coil to the square of turns N of coil is called inductance coefficient of core. It is related to the shape, size, permeability, coil winding method and the relative position of coil and core. Namely:

$$AL = \frac{L}{N^2}$$

AL: 电感系数 (nH/N²) / Inductance Factor
 L: 电感 (nH) / Inductance
 N: 匝数 (Ts) / Number of turns

基础术语、定义与计算公式 Basic terms, definitions and calculation formulas

磁场强度 / Magnetic Field Strength

安培定律给出了磁场强度与电流、线圈匝数及磁路长度之间的关系。

Ampere's law gives the relationship between magnetic field strength and current, number of coil turns and length of magnetic circuit.

$$H = \frac{0.4\pi \cdot N \cdot I}{le}$$

H: 磁场强度 (Oe) / Magnetic Field Strength
 N: 匝数 (Ts) / Number of turns
 I: 电流 (A) / Current
 le: 有效磁路长度 (cm) / Effective Magnetic Path Length

磁通密度峰值 / Peak AC flux density

$$B_{max} = \frac{E_{rms} \cdot 10^8}{4.44 f \cdot A_e \cdot N}$$

B: 磁场密度峰值 (Gauss) / Peak AC flux density
 f: 频率 (Hz) / Frequency
 A_e: 有效截面积 (cm²) / Effective Across Section Area
 E_{rms}: 均方根电压值 (V) / RMS voltage

磁芯选型示例 · Examples of cores selection

为电感器选择磁芯时，可根据下列条件，确定应选磁环及绕制的线圈匝数。

条件如下：

When selecting the core for the inductor, the selected magnetic ring and the winding turns can be determined according to the following conditions

The conditions are as follows:

直流电流 Direct Current IDC=8 (A)

直流偏置电感 DC bias inductor LDC=17.5 μ.H

计算过程如下：

The calculation process is as follows:

1) 公式转换 Formula conversion

$$H = \frac{0.4\pi \cdot N \cdot I}{le} \quad \longrightarrow \quad NI = \frac{H \cdot le}{0.4\pi}$$

2) 初步确定磁场强度 Preliminary determination of magnetic field strength

在电流 8A 下，电感量下降后不小于 50%。从磁场强度与初始磁导率变化曲线图上可以得到，磁导率下降 50% 时对应的磁场强度 H=35 (Oe)。

At a current of 8 A, the inductance is not less than 50% after the drop. From the curve of magnetic field strength vs initial permeability, it can be obtained that the corresponding magnetic field strength H=35 (Oe) when the magnetic permeability decreases by 50%.

3) 初步选择磁芯 DS229125 Preliminary selection of magnetic core DS229125

DS229125 的有效磁路长度

The effective magnetic path length of DS229125 is le=5.67cm

4) 计算安匝数及匝数 Calculate the number of amps and turns

$$NI = \frac{H \cdot le}{0.4\pi} = \frac{35 \times 5.67}{0.4 \times 3.14} = 158$$

$$N = 158 \div 8 = 19.75 \approx 20 \text{ (Ts)}$$

磁芯选型示例 · Examples of cores selection

5) 核算L8A@DC是否满足要求 Check whether L8A@DC meets the requirements

$$L0A=AL \times N^2=90 \times 20^2=36 (\mu H)$$

$$I=8A \text{ 时, 电感量下降为 } 50\%, L8A=36 \times 50\%=18 (\mu H)$$

$$\text{When } I = 8A, \text{ the inductance decreases to } 50\%, L8A=36 \times 50\%=18 (\mu H)$$

加上8A的电流后电感量基本上能够满足要求。

After adding 8A current, the inductance can basically meet the requirements.

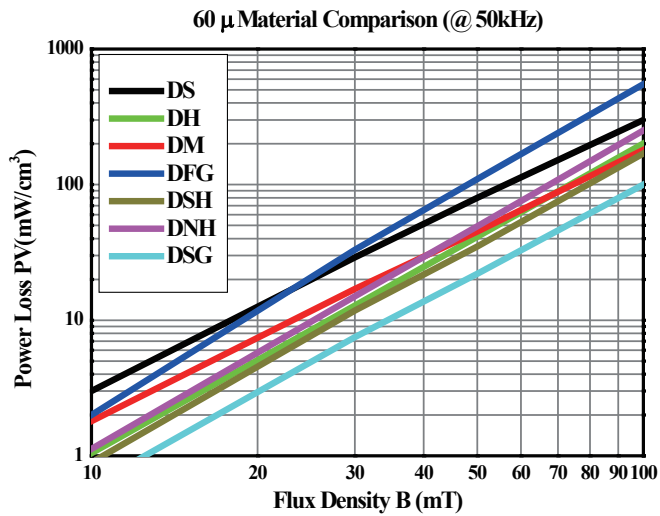
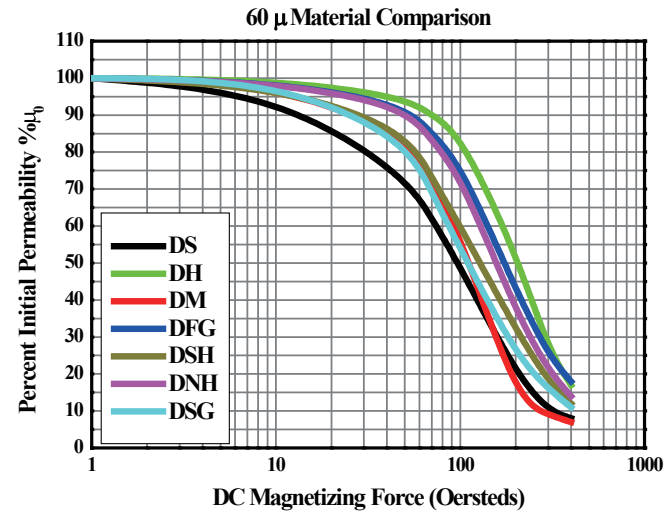
在实际的使用中选用磁芯时，如果初次选定的磁芯无法一次满足要求，可以根据上述方法，通过调整磁芯尺寸及磁导率的方式来使初始电感及直流偏置电感满足要求。

When the magnetic core is selected in actual use, if the first selected magnetic core cannot meet the requirements at first time, the initial inductance and the DC bias inductance can be satisfied by adjusting the core size and magnetic permeability according to the above method.

材料典型特性 · Material Typical Characteristics

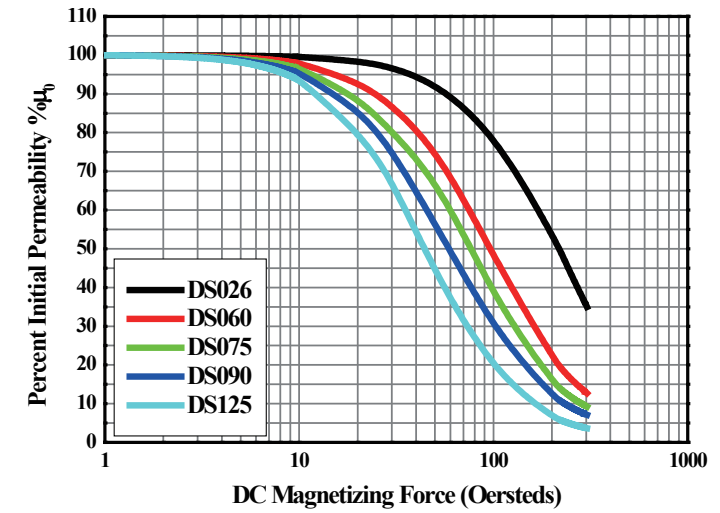
| 材料特性 Material System | 特征磁导率 Perm. | 损耗 Core-loss(mW/cm ³) @50kHz/100mT | 直流偏置 DC-Bias (% μ ₀) @100 Oe |
|-------------------------|----------------|--|---|
| DS | 60 | 270 | 48 |
| DSH | 60 | 200 | 55 |
| DSG | 60 | 150 | 57 |
| DFG | 60 | 550 | 76 |
| DH | 60 | 240 | 83 |
| DH/T | 60 | 160 | 83 |
| DNH | 60 | 250 | 72 |
| DM | 60 | 180 | 58 |

材料性能对比曲线 Comparison curves of material properties



直流偏置曲线 · DC bias curves

铁硅铝 DS 环型 Sendust Toroid

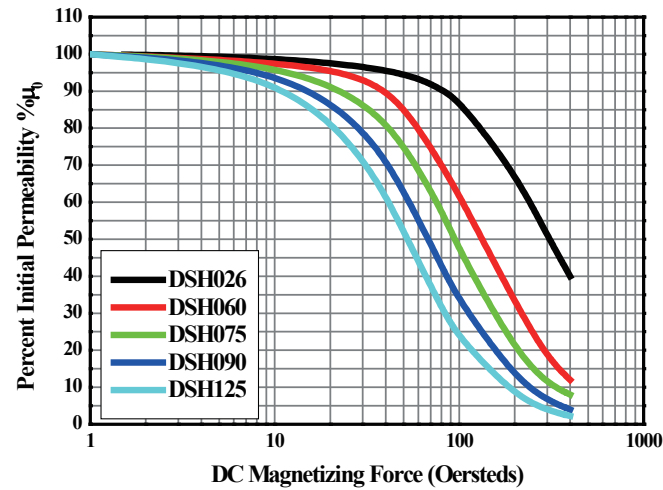


$$\%Perm = \frac{1}{a + b \cdot H^c}$$

| Material | ui | a | b | c |
|----------|-----|------|-----------|-------|
| DS | 26 | 0.01 | 6.686E-07 | 1.789 |
| | 60 | 0.01 | 4.736E-06 | 1.694 |
| | 75 | 0.01 | 8.002E-06 | 1.692 |
| | 90 | 0.01 | 1.168E-05 | 1.656 |
| | 125 | 0.01 | 1.185E-05 | 1.786 |

直流偏置曲线 · DC bias curves

超级铁硅铝 DSH 环型 Super Sendust Toroid

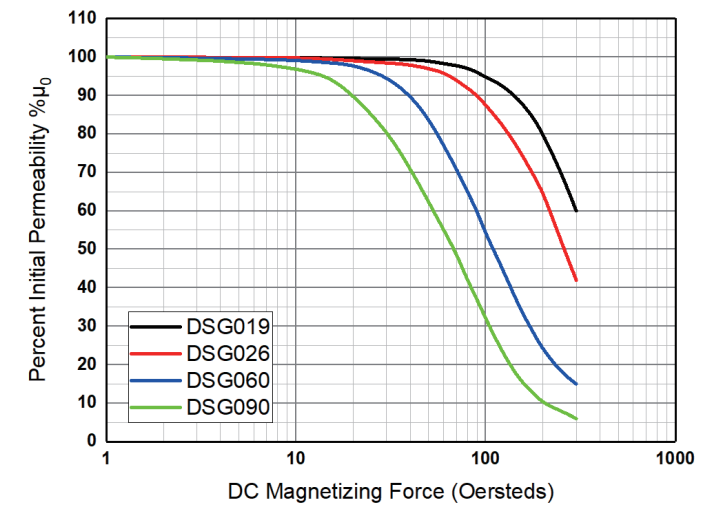


$$\%Perm = \frac{1}{a+b \cdot H^c}$$

| Material | ui | a | b | c |
|----------|-----|------|-----------|-------|
| DSH | 26 | 0.01 | 6.013E-07 | 1.694 |
| | 60 | 0.01 | 1.747E-07 | 1.769 |
| | 75 | 0.01 | 3.604E-06 | 1.738 |
| | 90 | 0.01 | 7.631E-06 | 1.698 |
| | 125 | 0.01 | 1.079E-05 | 1.726 |

直流偏置曲线 · DC bias curves

高频铁硅铝 DSG 环型 High Frequency Sendust Toroid

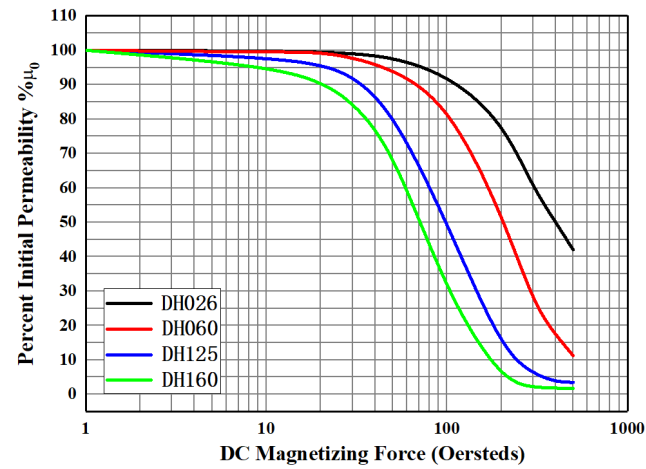


$$\%Perm = \frac{1}{a+b \cdot H^c}$$

| Material | ui | a | b | c |
|----------|----|------|----------|------|
| DSG | 19 | 0.01 | 5.40E-09 | 2.46 |
| | 26 | 0.01 | 8.07E-08 | 2.11 |
| | 60 | 0.01 | 1.06E-06 | 1.95 |
| | 90 | 0.01 | 2.32E-06 | 1.92 |

直流偏置曲线 · DC bias curves

铁镍 DH 环型 High Flux Toroid

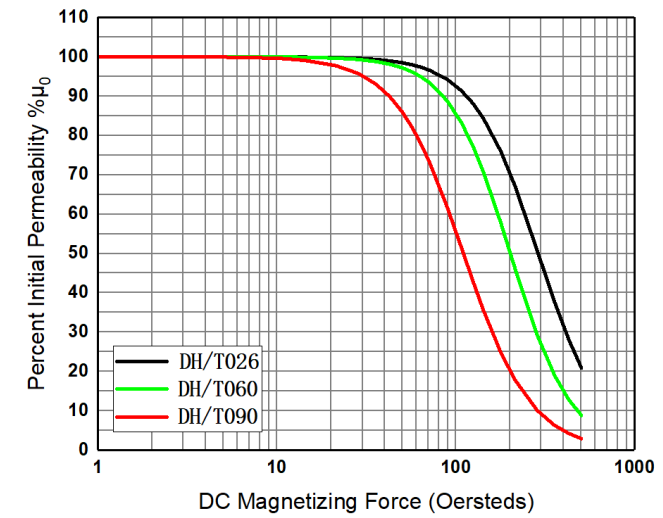


$$\%Perm = \frac{1}{a+b \cdot H^c}$$

| Material | ui | a | b | c |
|----------|-----|------|-----------|-------|
| DH | 26 | 0.01 | 1.221E-06 | 1.464 |
| | 60 | 0.01 | 7.980E-08 | 2.215 |
| | 125 | 0.01 | 4.434E-07 | 2.189 |
| | 160 | 0.01 | 2.441E-07 | 2.442 |

直流偏置曲线 · DC bias curves

超级铁镍 DH/T 环型 Super High Flux Toroid

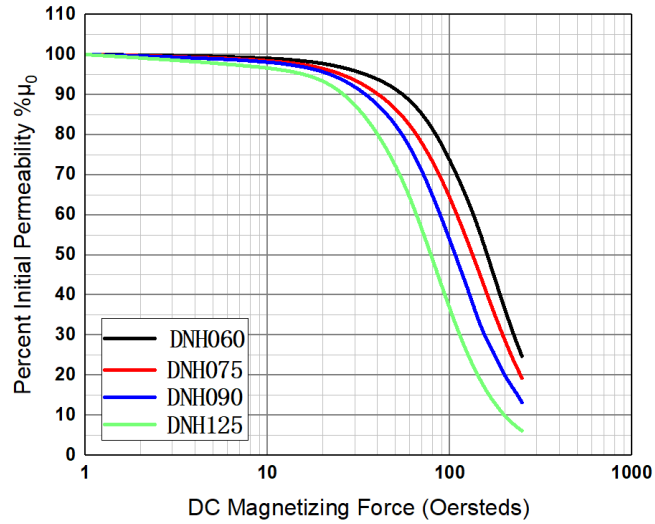


$$\%Perm = \frac{1}{a+b \cdot H^c}$$

| Material | ui | a | b | c |
|----------|----|------|----------|------|
| DH/T | 26 | 0.01 | 1.32E-08 | 2.25 |
| | 60 | 0.01 | 1.33E-08 | 2.55 |
| | 90 | 0.01 | 1.98E-07 | 2.30 |

直流偏置曲线 · DC bias curves

高频铁镍 DNH 环型 Refined High Flux Toroid

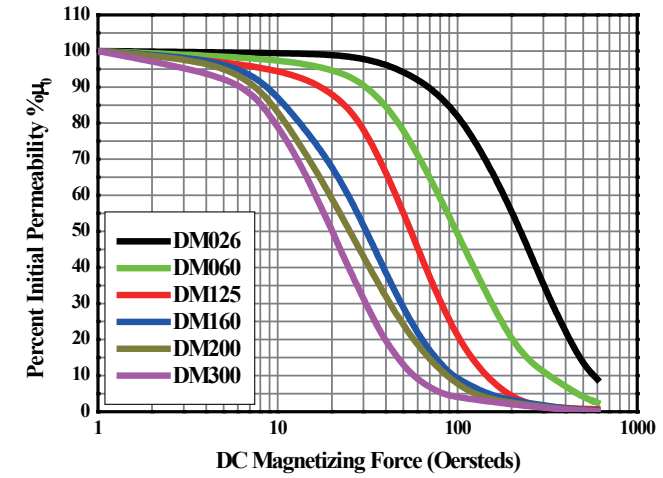


$$\%Perm = \frac{1}{a+b \cdot H^c}$$

| Material | ui | a | b | c |
|----------|-----|------|----------|------|
| DNH | 60 | 0.01 | 1.27E-07 | 2.23 |
| | 75 | 0.01 | 3.27E-07 | 2.12 |
| | 90 | 0.01 | 3.39E-07 | 2.20 |
| | 125 | 0.01 | 3.06E-07 | 2.38 |

直流偏置曲线 · DC bias curves

铁镍钼 DM 环型 MPP Toroid

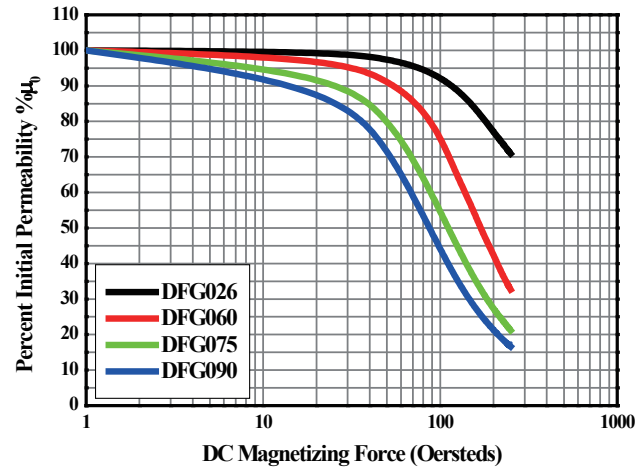


$$\%Perm = \frac{1}{a+b \cdot H^c}$$

| Material | ui | a | b | c |
|----------|-----|------|-----------|-------|
| DM | 26 | 0.01 | 1.325E-07 | 2.084 |
| | 60 | 0.01 | 1.618E-06 | 1.899 |
| | 125 | 0.01 | 1.252E-06 | 2.238 |
| | 160 | 0.01 | 1.261E-05 | 1.933 |
| | 200 | 0.01 | 3.548E-05 | 1.747 |
| | 300 | 0.01 | 2.431E-05 | 2.016 |

直流偏置曲线 · DC bias curves

铁硅 DFG 环型 DFG Toroid

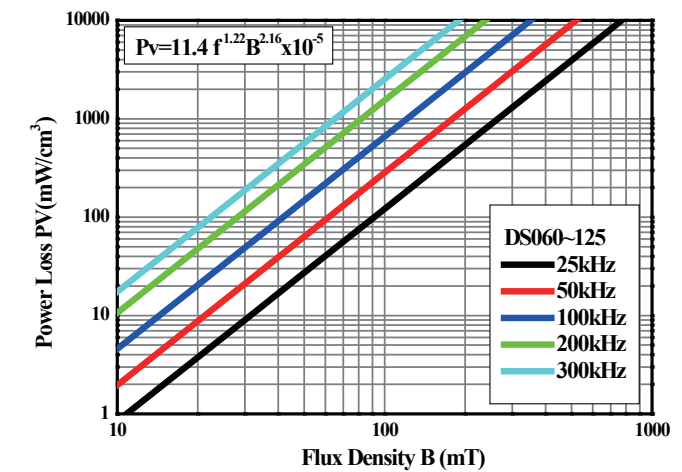
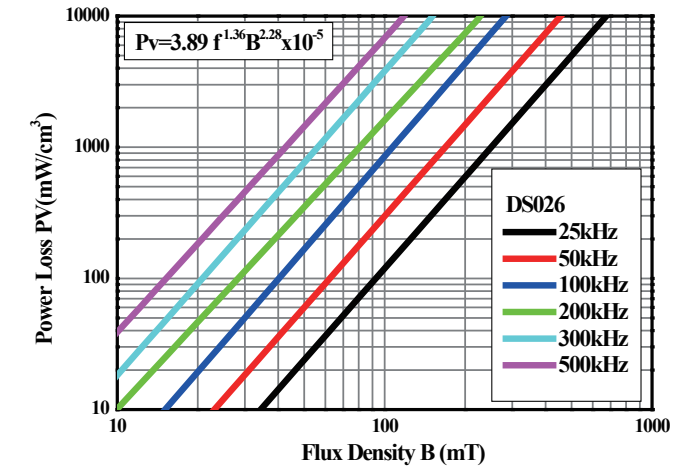


$$\%Perm = \frac{1}{a+b \cdot H^c}$$

| Material | u _i | a | b | c |
|----------|----------------|------|-----------|-------|
| DFG | 26 | 0.01 | 3.008E-07 | 1.732 |
| | 60 | 0.01 | 7.568E-07 | 1.852 |
| | 75 | 0.01 | 2.683E-06 | 1.736 |
| | 90 | 0.01 | 6.266E-06 | 1.640 |

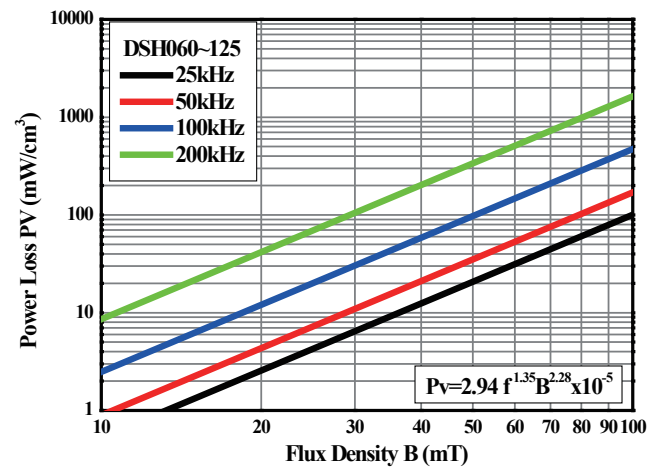
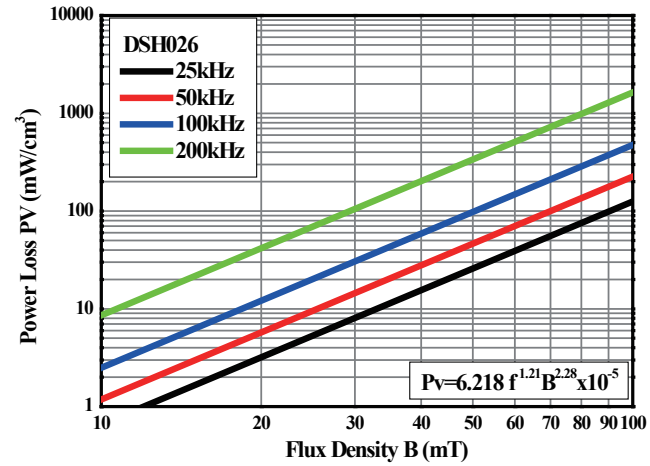
损耗曲线 · Loss curves

铁硅铝 DS 环型 Sendust Toroid



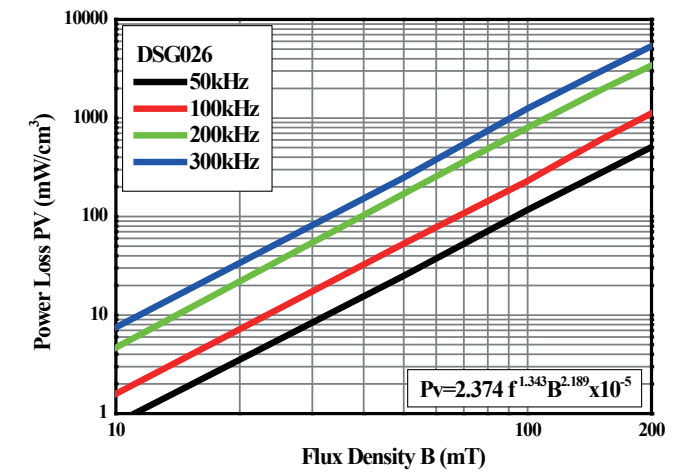
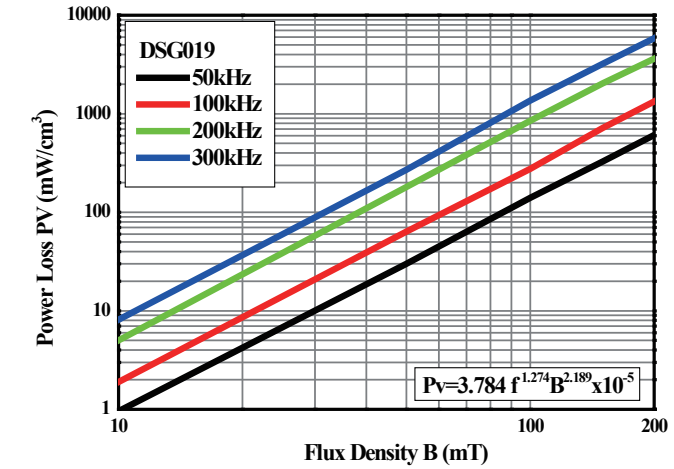
损耗曲线 · Loss curves

超级铁硅铝 DSH 环型 Super Sendust Toroid



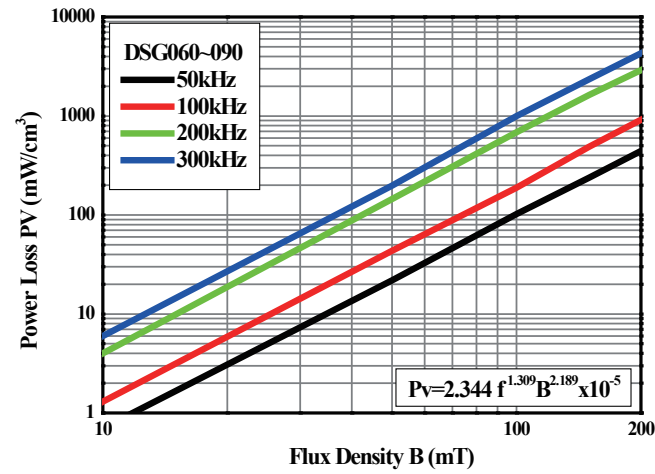
损耗曲线 · Loss curves

高频铁硅铝 DSG 环型 High Frequency Sendust Toroid



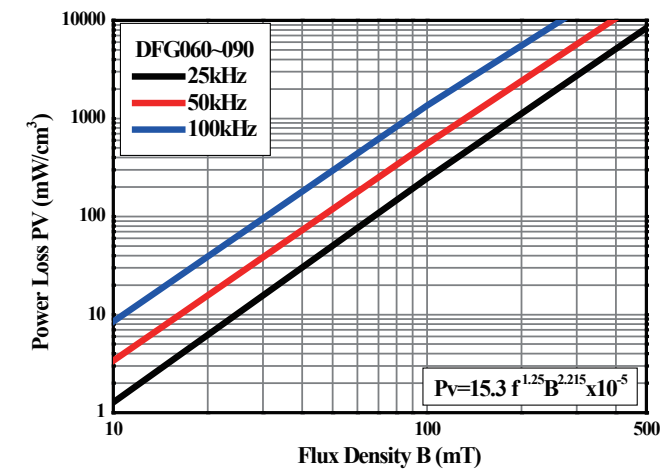
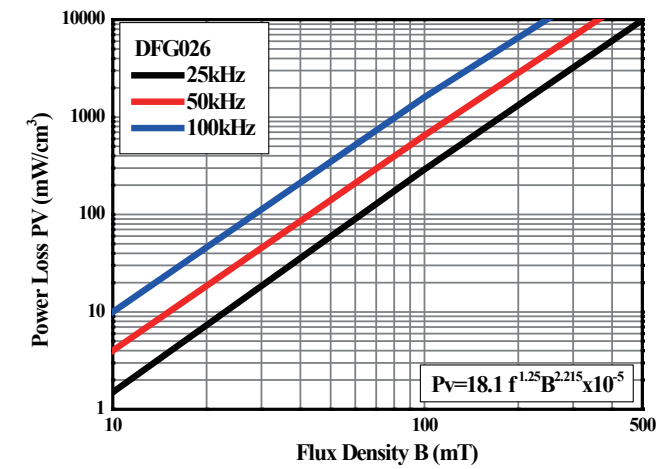
损耗曲线 · Loss curves

高频铁硅铝 环型 DSG Toroid



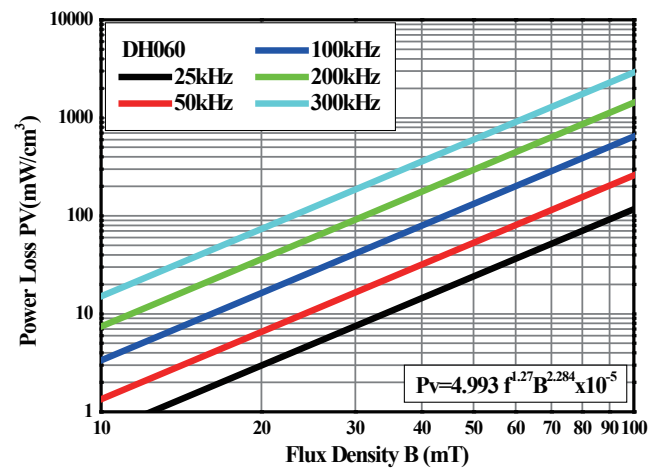
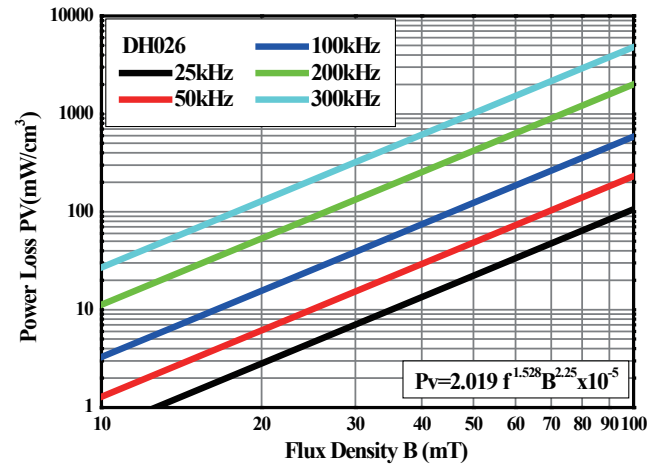
损耗曲线 · Loss curves

铁硅 DFG 环型 DFG Toroid



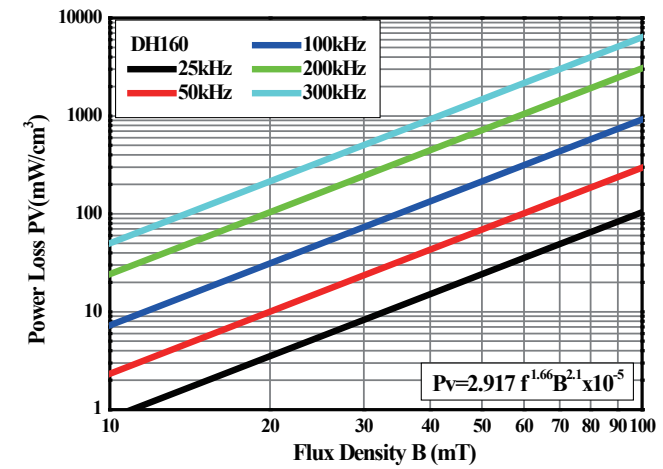
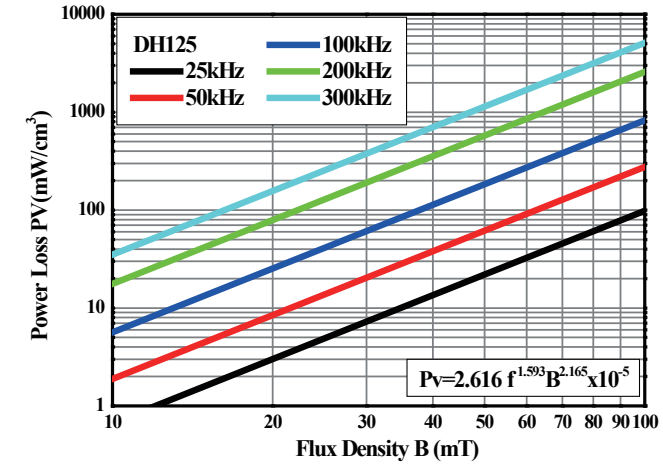
损耗曲线 · Loss curves

铁镍 DH 环型 High Flux Toroid



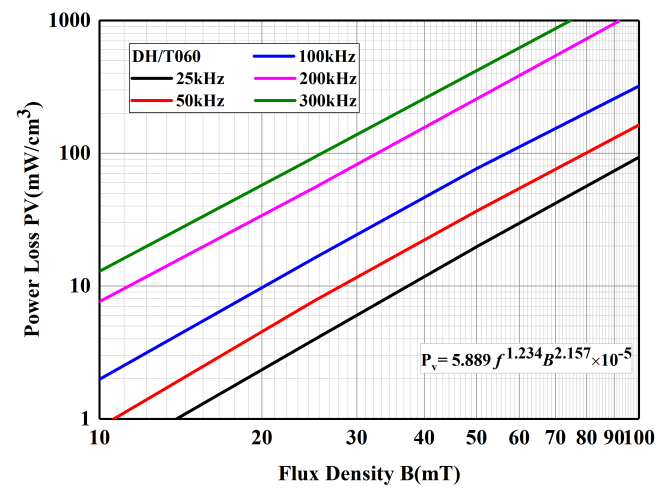
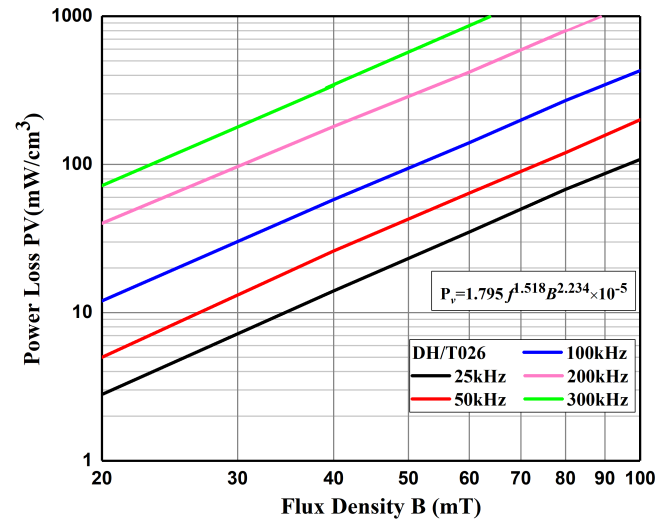
损耗曲线 · Loss curves

铁镍 DH 环型 High Flux Toroid



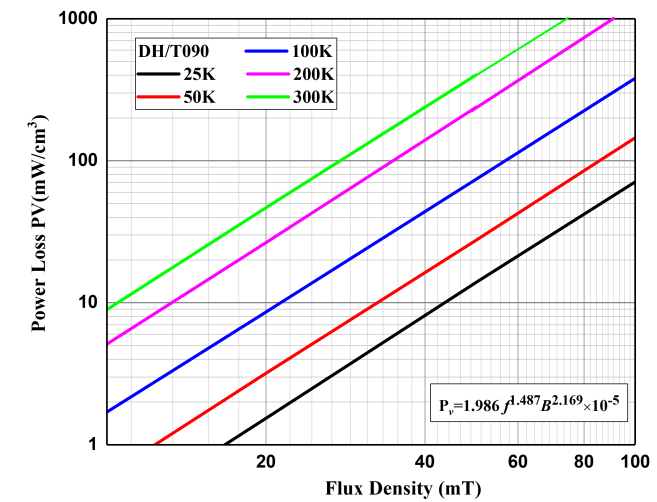
损耗曲线 · Loss curves

超级铁镍 DH/T 环型 Super High Flux DH/T Toroid



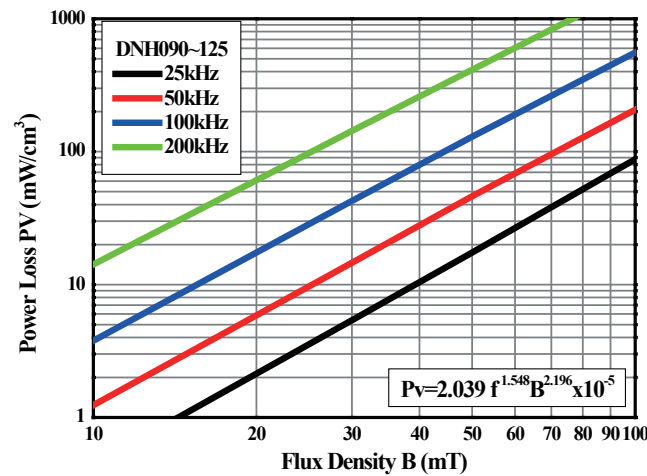
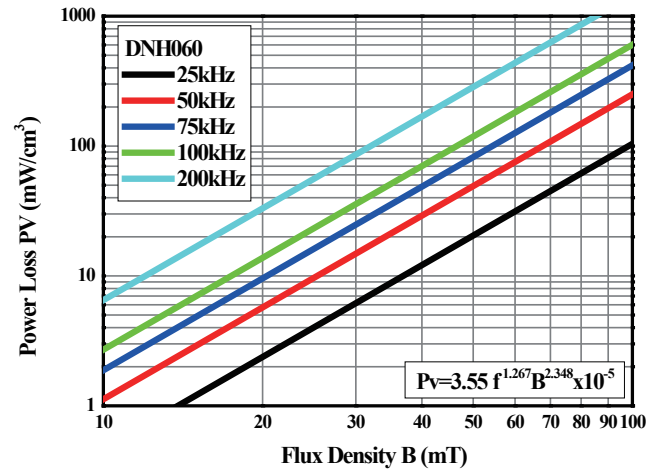
损耗曲线 · Loss curves

超级铁镍 DH/T 环型 Super High Flux DH/T Toroid



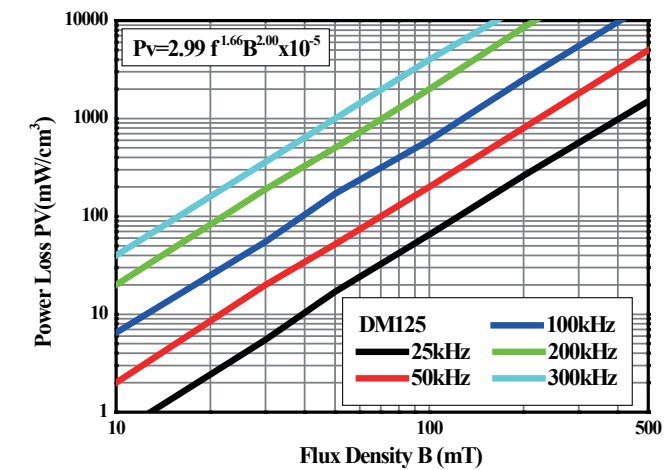
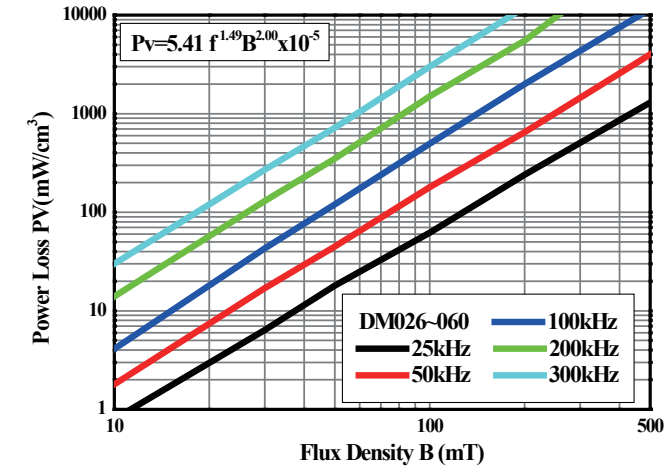
损耗曲线 · Loss curves

高频铁镍 DNH 环型 Refined High Flux Toroid



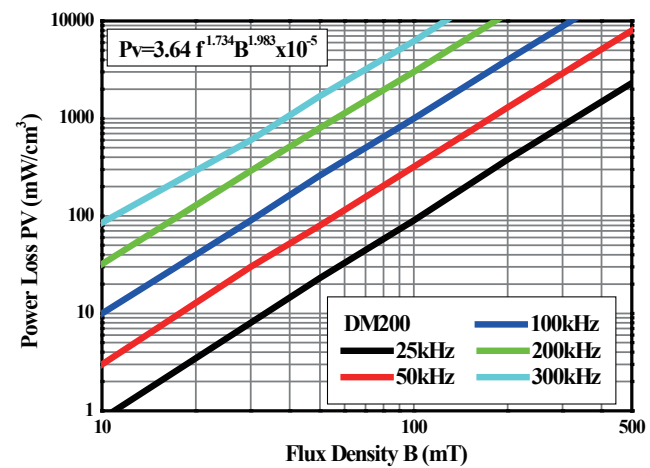
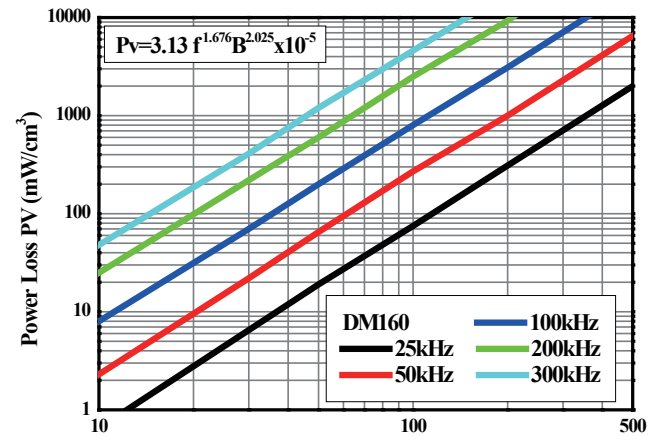
损耗曲线 · Loss curves

铁镍钼 DM 环型 MPP Toroid



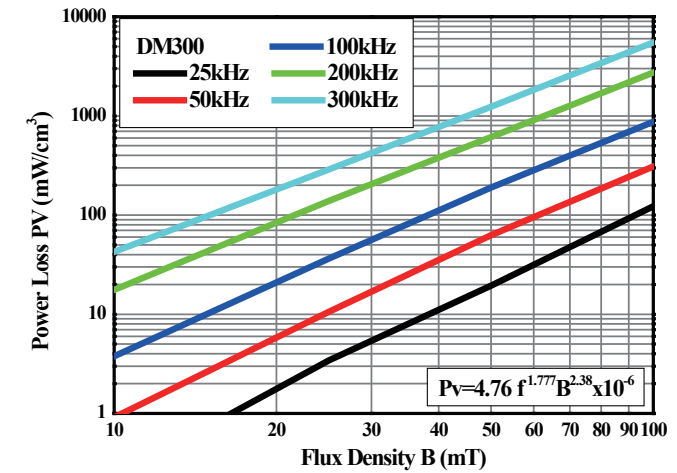
损耗曲线 · Loss curves

铁镍钼 DM 环型 MPP Toroid



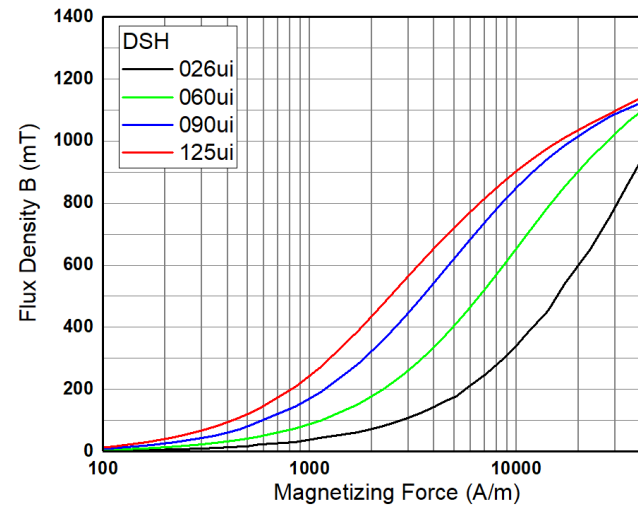
损耗曲线 · Loss curves

铁镍钼 DM 环型 MPP Toroid



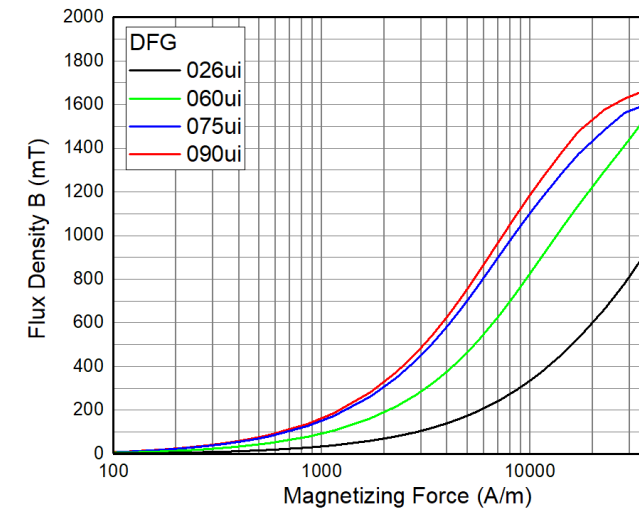
磁化曲线 · B - H curves

超级铁硅铝 DSH 环型 DSH Toroid

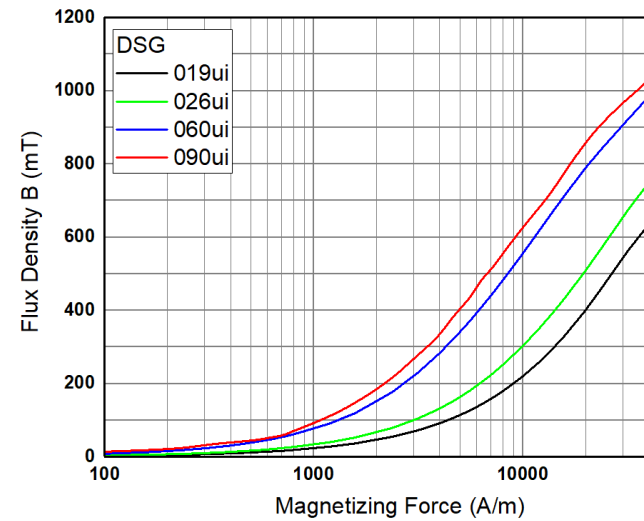


磁化曲线 · B - H curves

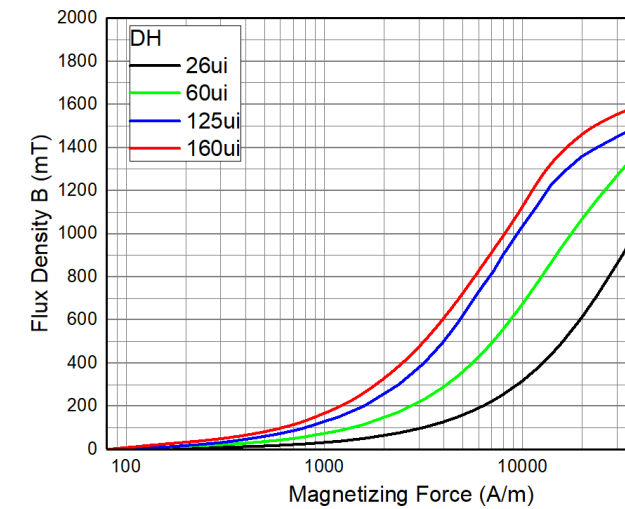
铁硅 DFG 环型 DFG Toroid



高频铁硅铝 DSG 环型 DSG Toroid



铁镍 DH 环型 High Flux Toroid



环形磁芯 · Toroid cores

| 型号 Type | 尺寸 Dimensions (mm) | | | | | | 截面积 Ae (cm ²) | 磁路 le (cm) | 体积 Ve (cm ³) |
|-------------|-----------------------|-------|-------|----------------------|-----------|-----------|---------------------------------|------------------|--------------------------------|
| | 喷涂前 before coating | | | 喷涂后 after coating | | | | | |
| | OD | ID | HT | OD max | ID min | HT max | | | |
| D□035□□□ | 3.56 | 1.78 | 1.52 | 4.19 | 1.27 | 2.16 | 0.0137 | 0.817 | 0.0107 |
| D□047□□□A | 4.58 | 2.40 | 0.82 | 4.70 | 2.26 | 0.95 | 0.0116 | 1.093 | 0.0127 |
| D□047□□□B | 4.65 | 2.36 | 2.54 | 4.85 | 2.16 | 2.74 | 0.0285 | 1.06 | 0.029 |
| D□063□□□ | 6.35 | 2.80 | 2.79 | 6.99 | 2.29 | 3.43 | 0.047 | 1.361 | 0.064 |
| D□068□□□ | 6.86 | 3.96 | 5.08 | 7.50 | 3.46 | 5.72 | 0.0725 | 1.65 | 0.1196 |
| D□078□□□ | 7.87 | 3.96 | 3.18 | 8.51 | 3.43 | 3.82 | 0.0615 | 1.787 | 0.1099 |
| D□097□□□ | 9.65 | 4.78 | 3.18 | 10.29 | 4.27 | 3.81 | 0.0752 | 2.18 | 0.1639 |
| D□102□□□ | 10.20 | 5.08 | 3.96 | 10.80 | 4.57 | 4.57 | 0.1000 | 2.38 | 0.238 |
| D□112□□□ | 11.20 | 6.35 | 3.96 | 11.89 | 5.89 | 4.57 | 0.0906 | 2.69 | 0.244 |
| D□127□□□ | 12.70 | 7.62 | 4.75 | 13.50 | 7.00 | 5.45 | 0.114 | 3.12 | 0.356 |
| D□166□□□ | 16.50 | 10.20 | 6.35 | 17.40 | 9.50 | 7.10 | 0.192 | 4.11 | 0.789 |
| D□173□□□ | 17.30 | 9.65 | 6.35 | 18.00 | 9.00 | 7.10 | 0.232 | 4.14 | 0.96 |
| D□203□□□ | 20.30 | 12.70 | 6.35 | 21.10 | 12.10 | 7.10 | 0.226 | 5.09 | 1.15 |
| D□229□□□ | 22.90 | 14.00 | 7.62 | 23.60 | 13.40 | 8.37 | 0.331 | 5.67 | 1.88 |
| D□234□□□C | 23.40 | 14.40 | 8.89 | 24.30 | 13.77 | 9.70 | 0.388 | 5.88 | 2.28 |
| D□236□□□ | 23.60 | 14.40 | 8.89 | 24.30 | 13.70 | 9.70 | 0.388 | 5.88 | 2.28 |
| D□236□□□C14 | 23.60 | 14.4 | 14.24 | 24.3 | 13.7 | 15.00 | 0.62 | 5.88 | 3.64 |
| D□236□□□C18 | 23.60 | 14.4 | 18.24 | 24.3 | 13.7 | 19.00 | 0.795 | 5.88 | 4.67 |
| D□269□□□A | 26.92 | 15.20 | 11.90 | 27.22 | 14.95 | 12.20 | 0.679 | 6.27 | 4.26 |
| D□270□□□ | 26.90 | 14.70 | 11.20 | 27.60 | 14.10 | 11.90 | 0.654 | 6.35 | 4.15 |

注：前面的□为材质代码，如 S、FG、M、H 等；
后面的□□□表示磁导率，如磁导率为 60，则表示为 060；磁导率为 125，则表示为 125。

环形磁芯 · Toroid cores

| 型号 Type | 尺寸 Dimensions (mm) | | | | | | 截面积 Ae (cm ²) | 磁路 le (cm) | 体积 Ve (cm ³) |
|-------------|-----------------------|-------|-------|----------------------|-----------|-----------|---------------------------------|------------------|--------------------------------|
| | 喷涂前 before coating | | | 喷涂后 after coating | | | | | |
| | OD | ID | HT | OD max | ID min | HT max | | | |
| D□270□□□A13 | 26.90 | 14.70 | 13.00 | 27.60 | 14.10 | 14.00 | 0.76 | 6.35 | 4.826 |
| D□270□□□A14 | 26.90 | 14.70 | 14.24 | 27.60 | 14.10 | 15.00 | 0.817 | 6.35 | 5.188 |
| D□270□□□A18 | 26.90 | 14.70 | 18.24 | 27.60 | 14.10 | 19.00 | 1.05 | 6.35 | 6.67 |
| D□330□□□ | 33.00 | 19.90 | 10.70 | 33.80 | 19.30 | 11.60 | 0.672 | 8.15 | 5.48 |
| D□358□□□ | 35.80 | 22.40 | 10.46 | 36.71 | 21.50 | 11.26 | 0.678 | 8.98 | 6.09 |
| D□384□□□ | 38.40 | 21.50 | 8.26 | 39.40 | 20.86 | 9.02 | 0.657 | 9.38 | 6.16 |
| D□384□□□B | 38.40 | 21.50 | 7.00 | 39.30 | 20.60 | 7.00 | 0.575 | 8.9 | 5.12 |
| D□384□□□C | 37.40 | 16.00 | 7.50 | 38.40 | 15.20 | 8.00 | 0.756 | 7.46 | 5.64 |
| D□400□□□ | 39.90 | 24.10 | 14.48 | 40.70 | 23.30 | 15.38 | 1.072 | 9.84 | 10.55 |
| D□401□□□A | 40.13 | 22.08 | 17.00 | 40.94 | 21.27 | 17.89 | 1.54 | 9.51 | 15.04 |
| D□467□□□ | 46.70 | 24.10 | 18.00 | 47.64 | 23.32 | 18.92 | 1.99 | 10.74 | 21.37 |
| D□468□□□ | 46.70 | 28.70 | 15.20 | 47.64 | 27.92 | 16.12 | 1.34 | 11.63 | 15.58 |
| D□508□□□ | 50.80 | 31.80 | 13.45 | 51.80 | 30.80 | 14.40 | 1.251 | 12.73 | 15.93 |
| D□508□□□A | 50.80 | 24.10 | 22.20 | 51.70 | 23.20 | 23.20 | 2.83 | 10.7 | 30.281 |
| D□571□□□ | 57.20 | 26.40 | 15.20 | 58.00 | 25.60 | 16.00 | 2.29 | 12.5 | 28.62 |
| D□572□□□ | 57.20 | 35.60 | 13.95 | 58.02 | 34.74 | 14.86 | 1.444 | 14.3 | 20.65 |
| D□610□□□ | 62.00 | 32.50 | 25.00 | 63.10 | 31.37 | 26.20 | 3.675 | 14.37 | 52.81 |
| D□740□□□ | 74.10 | 45.30 | 35.00 | 75.20 | 44.07 | 36.27 | 5.04 | 18.38 | 92.64 |
| D□778□□□ | 77.80 | 49.23 | 12.70 | 78.90 | 48.00 | 13.97 | 1.77 | 20 | 34.77 |

注：前面的□为材质代码，如 S、FG、M、H 等；
后面的□□□表示磁导率，如磁导率为 60，则表示为 060；磁导率为 125，则表示为 125。

D□035

| | Core Dimensions | | | |
|----------------|-----------------------|---------------------------------------|---------------------------------------|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 3.56 ^{+0.63} _{-0.1} | 1.78 ^{+0.1} _{-0.51} | 1.52 ^{+0.64} _{-0.15} |
| | After coating | 4.19 max | 1.27 min | 2.16 max |
| Core Parameter | | | | |
| | Ae (cm ²) | le (cm) | Ve (cm ³) | |
| | 0.0137 | 0.817 | 0.0107 | |

Cores

| Part No. | | | | Perm. | AL (±12%) | | | |
|---------------|----------|-----------|-----------|-------|-----------|------|-----|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 5 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 13 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 16 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 19 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 26 |
| - | ✓ | ✓ | - | - | - | - | 160 | 33 |
| - | - | ✓ | - | - | - | - | 200 | 43 |
| - | - | ✓ | - | - | - | - | 300 | 64 |

D□047A

| | Core Dimensions | | | |
|----------------|-----------------------|------------|-----------------------|------------|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 4.58±0.05 | 2.40±0.05 | 0.82±0.05 |
| | After coating | 4.70max | 2.26 min | 0.95 max |
| Core Parameter | | | | |
| | Ae (cm ²) | le (cm) | Ve (cm ³) | |
| | 0.0116 | 1.093 | 0.0127 | |

Cores

| Part No. | | | | Perm. | AL (±12%) | | | |
|---------------|----------|-----------|-----------|-------|-----------|------|-----|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 3 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 7 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 9 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 11 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 15 |
| - | ✓ | ✓ | - | - | - | - | 160 | 19 |
| - | - | ✓ | - | - | - | - | 200 | 24 |
| - | - | ✓ | - | - | - | - | 300 | 36 |

D□047A2.5

| | Core Dimensions | | | |
|-----------------------|-----------------|---------------------------------------|---------------------------------------|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 4.65 ^{+0.63} _{-0.1} | 2.36 ^{+0.1} _{-0.51} | 2.54 ^{+0.64} _{-0.15} |
| | After coating | 4.85max | 2.16 min | 2.74 max |
| | Core Parameter | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 0.0285 | 1.06 | 0.029 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±12%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 9 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 20 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 25 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 30 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 42 |
| - | ✓ | ✓ | - | - | - | - | 160 | 54 |
| - | - | ✓ | - | - | - | - | 200 | 67 |
| - | - | ✓ | - | - | - | - | 300 | 100 |

D□063

| | Core Dimensions | | | |
|-----------------------|-----------------|---------------------------------------|---------------------------------------|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 6.36 ^{+0.63} _{-0.1} | 2.80 ^{+0.1} _{-0.51} | 2.79 ^{+0.64} _{-0.15} |
| | After coating | 6.99 max | 2.29 min | 3.43 max |
| | Core Parameter | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 0.047 | 1.361 | 0.064 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±12%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 10 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 24 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 30 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 36 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 50 |
| - | ✓ | ✓ | - | - | - | - | 160 | 64 |
| - | - | ✓ | - | - | - | - | 200 | 80 |
| - | - | ✓ | - | - | - | - | 300 | 120 |

D□068

| | Core Dimensions | | | |
|----------------|-----------------------|---------------------------------------|---------------------------------------|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 6.86 ^{+0.63} _{-0.1} | 3.96 ^{+0.1} _{-0.51} | 5.08 ^{+0.64} _{-0.15} |
| | After coating | 7.50max | 3.46 min | 5.72 max |
| Core Parameter | | | | |
| | Ae (cm ²) | le (cm) | Ve (cm ³) | |
| | 0.0725 | 1.65 | 0.1196 | |

Cores

| Part No. | | | | | | | Perm. | AL (±12%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 14 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 33 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 42 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 50 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 70 |
| - | ✓ | ✓ | - | - | - | - | 160 | 90 |
| - | - | ✓ | - | - | - | - | 200 | 112 |
| - | - | ✓ | - | - | - | - | 300 | 168 |

D□078

| | Core Dimensions | | | |
|----------------|-----------------------|---------------------------------------|---------------------------------------|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 7.87 ^{+0.63} _{-0.1} | 3.96 ^{+0.1} _{-0.51} | 3.18 ^{+0.64} _{-0.15} |
| | After coating | 8.51max | 3.43 min | 3.82 max |
| Core Parameter | | | | |
| | Ae (cm ²) | le (cm) | Ve (cm ³) | |
| | 0.0615 | 1.787 | 0.1099 | |

Cores

| Part No. | | | | | | | Perm. | AL (±12%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 12 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 25 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 31 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 37 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 52 |
| - | ✓ | ✓ | - | - | - | - | 160 | 67 |
| - | - | ✓ | - | - | - | - | 200 | 83 |
| - | - | ✓ | - | - | - | - | 300 | 124 |

D□097

| | Core Dimensions | | | |
|-----------------------|-----------------|---------------------------------------|---------------------------------------|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 9.65 ^{+0.63} _{-0.1} | 4.78 ^{+0.1} _{-0.51} | 3.18 ^{+0.64} _{-0.15} |
| | After coating | 10.29max | 4.27 min | 3.81 max |
| | Core Parameter | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 0.0752 | 2.18 | 0.1639 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±12%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 12 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 25 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 32 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 38 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 53 |
| - | ✓ | ✓ | - | - | - | - | 160 | 68 |
| - | - | ✓ | - | - | - | - | 200 | 85 |
| - | - | ✓ | - | - | - | - | 300 | 128 |

D□102

| | Core Dimensions | | | |
|-----------------------|-----------------|--|---------------------------------------|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 10.20 ^{+0.63} _{-0.1} | 5.08 ^{+0.1} _{-0.51} | 3.96 ^{+0.64} _{-0.15} |
| | After coating | 10.80max | 4.57 min | 4.57 max |
| | Core Parameter | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 0.1 | 2.38 | 0.238 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±12%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 14 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 32 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 40 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 48 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 66 |
| - | ✓ | ✓ | - | - | - | - | 160 | 84 |
| - | - | ✓ | - | - | - | - | 200 | 107 |
| - | - | ✓ | - | - | - | - | 300 | 160 |

D□112

| | | | | | | | | |
|-----------------------|----------|-----------|-----------|------------------------|--|---------------------------------------|--|-------------------|
| | | | | Core Dimensions | | | | |
| | | | | | OD (mm) | ID (mm) | HT (mm) | |
| | | | | Before coating | 11.20 ^{+0.63} _{-0.1} | 6.35 ^{+0.1} _{-0.51} | 3.96 ^{+0.64} _{-0.15} | |
| | | | | After coating | 11.89max | 5.89 min | 4.57 max | |
| Core Parameter | | | | | | | | |
| Ae (cm ²) | | le (cm) | | Ve (cm ³) | | | | |
| 0.0906 | | 2.69 | | 0.244 | | | | |
| Cores | | | | | | | | |
| Part No. | | | | Perm. | AL (±12%) | | | |
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 12 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 26 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 32 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 38 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 53 |
| - | ✓ | ✓ | - | - | - | - | 160 | 68 |
| - | - | ✓ | - | - | - | - | 200 | 85 |
| - | - | ✓ | - | - | - | - | 300 | 128 |

D□127

| | | | | | | | | |
|-----------------------|----------|-----------|-----------|------------------------|--|---------------------------------------|--|-------------------|
| | | | | Core Dimensions | | | | |
| | | | | | OD (mm) | ID (mm) | HT (mm) | |
| | | | | Before coating | 12.70 ^{+0.76} _{-0.1} | 7.62 ^{+0.1} _{-0.64} | 4.75 ^{+0.76} _{-0.15} | |
| | | | | After coating | 13.5max | 7.00 min | 5.45 max | |
| Core Parameter | | | | | | | | |
| Ae (cm ²) | | le (cm) | | Ve (cm ³) | | | | |
| 0.114 | | 3.12 | | 0.356 | | | | |
| Cores | | | | | | | | |
| Part No. | | | | Perm. | AL (±10%) | | | |
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 13 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 27 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 34 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 40 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 56 |
| - | ✓ | ✓ | - | - | - | - | 160 | 72 |
| - | - | ✓ | - | - | - | - | 200 | 91 |
| - | - | ✓ | - | - | - | - | 300 | 136 |

D□166

| | Core Dimensions | | | |
|-----------------------|-----------------|---------------------------------------|--|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 16.50 ^{+0.9} _{-0.1} | 10.20 ^{+0.1} _{-0.67} | 6.35 ^{+0.76} _{-0.15} |
| | After coating | 17.4max | 9.50 min | 7.10 max |
| | Core Parameter | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 0.192 | 4.11 | 0.789 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±10%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 16 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 35 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 43 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 52 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 72 |
| - | ✓ | ✓ | - | - | - | - | 160 | 92 |
| - | - | ✓ | - | - | - | - | 200 | 115 |
| - | - | ✓ | - | - | - | - | 300 | 172 |

D□173

| | Core Dimensions | | | |
|-----------------------|-----------------|--|---------------------------------------|---------------------------------------|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 17.30 ^{+0.73} _{-0.1} | 9.65 ^{+0.1} _{-0.63} | 6.35 ^{+0.76} _{-0.2} |
| | After coating | 18.0max | 9.00 min | 7.12 max |
| | Core Parameter | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 0.232 | 4.14 | 0.96 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±10%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 20 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 43 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 53 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 64 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 89 |
| - | ✓ | ✓ | - | - | - | - | 160 | 114 |
| - | - | ✓ | - | - | - | - | 200 | 141 |
| - | - | ✓ | - | - | - | - | 300 | 212 |

D□203

| | | | | | | | | |
|-----------------------|------------------------|---------------------------------------|--|---------------------------------------|-----|------|-------|-------------------|
| | Core Dimensions | | | | | | | |
| | | OD (mm) | ID (mm) | HT (mm) | | | | |
| | Before coating | 20.30 ^{+0.8} _{-0.2} | 12.70 ^{+0.2} _{-0.63} | 6.35 ^{+0.76} _{-0.2} | | | | |
| | After coating | 21.10max | 12.10 min | 7.10 max | | | | |
| Core Parameter | | | | | | | | |
| | Ae (cm ²) | le (cm) | Ve (cm ³) | | | | | |
| | 0.226 | 5.09 | 1.15 | | | | | |
| Cores | | | | | | | | |
| Part No. | | | | | | | Perm. | AL (±10%) |
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 14 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 32 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 41 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 49 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 68 |
| - | ✓ | ✓ | - | - | - | - | 160 | 87 |
| - | - | ✓ | - | - | - | - | 200 | 109 |
| - | - | ✓ | - | - | - | - | 300 | 164 |

D□229

| | | | | | | | | |
|-----------------------|------------------------|---------------------------------------|--|---------------------------------------|-----|------|-------|-------------------|
| | Core Dimensions | | | | | | | |
| | | OD (mm) | ID (mm) | HT (mm) | | | | |
| | Before coating | 22.90 ^{+0.8} _{-0.2} | 14.00 ^{+0.2} _{-0.63} | 7.62 ^{+0.76} _{-0.2} | | | | |
| | After coating | 23.60max | 13.40 min | 8.37 max | | | | |
| Core Parameter | | | | | | | | |
| | Ae (cm ²) | le (cm) | Ve (cm ³) | | | | | |
| | 0.331 | 5.67 | 1.88 | | | | | |
| Cores | | | | | | | | |
| Part No. | | | | | | | Perm. | AL (±8%) |
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 19 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 43 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 54 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 65 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 90 |
| - | ✓ | ✓ | - | - | - | - | 160 | 115 |
| - | - | ✓ | - | - | - | - | 200 | 144 |
| - | - | ✓ | - | - | - | - | 300 | 216 |

D□234

| | | | | | | | | | Core Dimensions | | |
|-----------------------|----------|-----------|-----------|--------------------------------------|---------------------------------------|---------------------------------------|-------|-------------------|-----------------|------------|------------|
| | | | | | | | | | | OD (mm) | ID (mm) |
| Before coating | | | | 23.4 ^{+0.8} _{-0.2} | 14.4 ^{+0.2} _{-0.63} | 8.89 ^{+0.76} _{-0.2} | | | | | |
| After coating | | | | 24.3max | 13.77 min | 9.7 max | | | | | |
| Core Parameter | | | | | | | | | | | |
| Ae (cm ²) | | | le (cm) | | Ve (cm ³) | | | | | | |
| 0.388 | | | 5.88 | | 2.28 | | | | | | |
| Cores | | | | | | | | | | | |
| Part No. | | | | | | | Perm. | AL (±8%) | | | |
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² | | | |
| | | | | DSG | DNH | DH/T | | | | | |
| √ | √ | √ | √ | √ | √ | √ | 26 | 22 | | | |
| √ | √ | √ | √ | √ | √ | √ | 60 | 51 | | | |
| √ | - | - | √ | √ | - | √ | 75 | 63 | | | |
| √ | √ | - | √ | √ | √ | √ | 90 | 76 | | | |
| √ | √ | √ | - | - | √ | - | 125 | 105 | | | |
| - | √ | √ | - | - | - | - | 160 | 134 | | | |
| - | - | √ | - | - | - | - | 200 | 168 | | | |
| - | - | √ | - | - | - | - | 300 | 252 | | | |

D□236

| | | | | | | | | | Core Dimensions | | |
|-----------------------|----------|-----------|-----------|--------------------------------------|---------------------------------------|---------------------------------------|-------|-------------------|-----------------|------------|------------|
| | | | | | | | | | | OD (mm) | ID (mm) |
| Before coating | | | | 23.6 ^{+0.8} _{-0.2} | 14.4 ^{+0.2} _{-0.63} | 8.89 ^{+0.76} _{-0.2} | | | | | |
| After coating | | | | 24.3max | 13.7 min | 9.7 max | | | | | |
| Core Parameter | | | | | | | | | | | |
| Ae (cm ²) | | | le (cm) | | Ve (cm ³) | | | | | | |
| 0.388 | | | 5.88 | | 2.28 | | | | | | |
| Cores | | | | | | | | | | | |
| Part No. | | | | | | | Perm. | AL (±8%) | | | |
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² | | | |
| | | | | DSG | DNH | DH/T | | | | | |
| √ | √ | √ | √ | √ | √ | √ | 26 | 22 | | | |
| √ | √ | √ | √ | √ | √ | √ | 60 | 51 | | | |
| √ | - | - | √ | √ | - | √ | 75 | 63 | | | |
| √ | √ | - | √ | √ | √ | √ | 90 | 76 | | | |
| √ | √ | √ | - | - | √ | - | 125 | 105 | | | |
| - | √ | √ | - | - | - | - | 160 | 134 | | | |
| - | - | √ | - | - | - | - | 200 | 168 | | | |
| - | - | √ | - | - | - | - | 300 | 252 | | | |

D□236 A14

| | Core Dimensions | | | |
|----------------|-----------------------|--------------------------------------|---------------------------------------|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 23.6 ^{+0.8} _{-0.2} | 14.4 ^{+0.2} _{-0.63} | 14.24 ^{+0.76} _{-0.2} |
| | After coating | 24.3max | 13.7 min | 15 max |
| Core Parameter | | | | |
| | Ae (cm ²) | Ae (cm ²) | Ae (cm ²) | |
| | 0.62 | 5.88 | 3.64 | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 35 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 82 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 101 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 121 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 168 |
| - | ✓ | ✓ | - | - | - | - | 160 | 214 |
| - | - | ✓ | - | - | - | - | 200 | 269 |
| - | - | ✓ | - | - | - | - | 300 | 403 |

D□236 A18

| | Core Dimensions | | | |
|----------------|-----------------------|--------------------------------------|---------------------------------------|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 23.6 ^{+0.8} _{-0.2} | 14.4 ^{+0.2} _{-0.63} | 18.24 ^{+0.76} _{-0.2} |
| | After coating | 24.3max | 13.7 min | 19 max |
| Core Parameter | | | | |
| | Ae (cm ²) | Ae (cm ²) | Ae (cm ²) | |
| | 0.795 | 5.88 | 4.67 | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 45 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 104 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 129 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 156 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 215 |
| - | ✓ | ✓ | - | - | - | - | 160 | 275 |
| - | - | ✓ | - | - | - | - | 200 | 344 |
| - | - | ✓ | - | - | - | - | 300 | 516 |

D□270

| | Core Dimensions | | | |
|-----------------------|-----------------|---------------------------------------|--|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 26.90 ^{+0.8} _{-0.2} | 14.70 ^{+0.2} _{-0.63} | 11.20 ^{+0.76} _{-0.2} |
| | After coating | 27.60max | 14.10 min | 11.90 max |
| Core Parameter | | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 0.654 | 6.35 | 4.15 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 32 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 75 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 94 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 113 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 157 |
| - | ✓ | ✓ | - | - | - | - | 160 | 201 |
| - | - | ✓ | - | - | - | - | 200 | 251 |
| - | - | ✓ | - | - | - | - | 300 | 376 |

D□270 A13

| | Core Dimensions | | | |
|-----------------------|-----------------|--------------------------------------|---------------------------------------|--------------------------------------|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 26.9 ^{+0.8} _{-0.2} | 14.7 ^{+0.2} _{-0.63} | 13.0 ^{+1.0} _{-0.2} |
| | After coating | 27.6max | 14.1 min | 14.0 max |
| Core Parameter | | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 0.76 | 6.35 | 4.826 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 37 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 87 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 109 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 131 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 182 |
| - | ✓ | ✓ | - | - | - | - | 160 | 233 |
| - | - | ✓ | - | - | - | - | 200 | 291 |
| - | - | ✓ | - | - | - | - | 300 | 436 |

D□270 A14

| | Core Dimensions | | | |
|-----------------------|-----------------|--------------------------------------|---------------------------------------|--------------------------------------|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 26.9 ^{+0.8} _{-0.2} | 14.7 ^{+0.2} _{-0.63} | 14.0 ^{+1.0} _{-0.2} |
| | After coating | 27.6max | 14.1 min | 15.0 max |
| Core Parameter | | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 0.817 | 6.35 | 5.188 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| √ | √ | √ | √ | √ | √ | √ | 26 | 40 |
| √ | √ | √ | √ | √ | √ | √ | 60 | 94 |
| √ | - | - | √ | √ | - | √ | 75 | 118 |
| √ | √ | - | √ | √ | √ | √ | 90 | 141 |
| √ | √ | √ | - | - | √ | - | 125 | 196 |
| - | √ | √ | - | - | - | - | 160 | 251 |
| - | - | √ | - | - | - | - | 200 | 314 |
| - | - | √ | - | - | - | - | 300 | 471 |

D□270 A18

| | Core Dimensions | | | |
|-----------------------|-----------------|--------------------------------------|---------------------------------------|--------------------------------------|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 26.9 ^{+0.8} _{-0.2} | 14.7 ^{+0.2} _{-0.63} | 18.0 ^{+1.0} _{-0.2} |
| | After coating | 27.6max | 14.1 min | 19.0 max |
| Core Parameter | | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 1.05 | 6.35 | 6.67 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| √ | √ | √ | √ | √ | √ | √ | 26 | 51 |
| √ | √ | √ | √ | √ | √ | √ | 60 | 120 |
| √ | - | - | √ | √ | - | √ | 75 | 150 |
| √ | √ | - | √ | √ | √ | √ | 90 | 180 |
| √ | √ | √ | - | - | √ | - | 125 | 250 |
| - | √ | √ | - | - | - | - | 160 | 320 |
| - | - | √ | - | - | - | - | 200 | 401 |
| - | - | √ | - | - | - | - | 300 | 601 |

D□330

| | Core Dimensions | | | |
|--|-----------------------|--------------------------------------|---------------------------------------|---------------------------------------|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 33.0 ^{+0.8} _{-0.2} | 19.9 ^{+0.2} _{-0.63} | 10.7 ^{+0.76} _{-0.2} |
| | After coating | 33.8max | 19.3 min | 11.6 max |
| | Core Parameter | | | |
| | Ae (cm ²) | le (cm) | Ve (cm ³) | |
| | 0.672 | 8.15 | 5.48 | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 28 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 61 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 76 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 91 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 127 |
| - | ✓ | ✓ | - | - | - | - | 160 | 163 |
| - | - | ✓ | - | - | - | - | 200 | 203 |
| - | - | ✓ | - | - | - | - | 300 | 304 |

D□358

| | Core Dimensions | | | |
|--|-----------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 35.80 ^{+0.9} _{-0.2} | 22.40 ^{+0.2} _{-0.9} | 10.46 ^{+0.9} _{-0.2} |
| | After coating | 36.71max | 21.50 min | 11.26 max |
| | Core Parameter | | | |
| | Ae (cm ²) | le (cm) | Ve (cm ³) | |
| | 0.678 | 8.98 | 6.09 | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 24 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 56 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 70 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 84 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 117 |
| - | ✓ | ✓ | - | - | - | - | 160 | 150 |
| - | - | ✓ | - | - | - | - | 200 | 187 |
| - | - | ✓ | - | - | - | - | 300 | 280 |

D□384

| | Core Dimensions | | | |
|----------------|-----------------------|---------------------------------------|---------------------------------------|--------------------------------------|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 38.40 ^{+0.9} _{-0.2} | 21.50 ^{+0.2} _{-0.9} | 8.26 ^{+0.9} _{-0.3} |
| | After coating | 39.40max | 20.86min | 9.02 max |
| Core Parameter | | | | |
| | Ae (cm ²) | le (cm) | Ve (cm ³) | |
| | 0.657 | 9.38 | 6.16 | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 23 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 53 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 66 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 79 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 110 |
| - | ✓ | ✓ | - | - | - | - | 160 | 141 |
| - | - | ✓ | - | - | - | - | 200 | 176 |
| - | - | ✓ | - | - | - | - | 300 | 264 |

D□400

| | Core Dimensions | | | |
|----------------|-----------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 39.90 ^{+0.9} _{-0.2} | 24.10 ^{+0.2} _{-0.9} | 14.48 ^{+0.9} _{-0.3} |
| | After coating | 40.70max | 23.30 min | 15.38 max |
| Core Parameter | | | | |
| | Ae (cm ²) | le (cm) | Ve (cm ³) | |
| | 1.072 | 9.84 | 10.55 | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 35 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 81 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 101 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 121 |
| ✓ | ✓ | ✓ | - | - | ✓ | - | 125 | 168 |
| - | ✓ | ✓ | - | - | - | - | 160 | 215 |
| - | - | ✓ | - | - | - | - | 200 | 269 |
| - | - | ✓ | - | - | - | - | 300 | 404 |

D□467

| Core Dimensions | | | | | | | | | |
|-----------------------|----------|-----------|-----------|----------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------|--|
| | | | | OD (mm) | ID (mm) | HT (mm) | | | |
| | | | | Before coating | 46.70 ^{+0.9} _{-0.2} | 24.10 ^{+0.2} _{-0.9} | 18.00 ^{+0.9} _{-0.3} | | |
| | | | | After coating | 47.64max | 23.32 min | 18.92 max | | |
| Core Parameter | | | | | | | | | |
| Ae (cm ²) | | | le (cm) | | | Ve (cm ³) | | | |
| 1.99 | | | 10.74 | | | 21.37 | | | |
| Cores | | | | | | | | | |
| Part No. | | | | | | | Perm. | AL (±8%) | |
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² | |
| | | | | DSG | DNH | DH/T | | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 59 | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 135 | |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 169 | |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 202 | |
| ✓ | - | ✓ | - | - | ✓ | - | 125 | 281 | |
| - | - | - | - | - | - | - | 160 | 360 | |
| - | - | - | - | - | - | - | 200 | 451 | |
| - | - | - | - | - | - | - | 300 | 676 | |

D□468

| Core Dimensions | | | | | | | | | |
|-----------------------|----------|-----------|-----------|----------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------|--|
| | | | | OD (mm) | ID (mm) | HT (mm) | | | |
| | | | | Before coating | 46.70 ^{+0.9} _{-0.2} | 28.70 ^{+0.2} _{-0.9} | 15.20 ^{+0.9} _{-0.3} | | |
| | | | | After coating | 47.64max | 27.92 min | 16.12 max | | |
| Core Parameter | | | | | | | | | |
| Ae (cm ²) | | | le (cm) | | | Ve (cm ³) | | | |
| 1.34 | | | 11.63 | | | 15.58 | | | |
| Cores | | | | | | | | | |
| Part No. | | | | | | | Perm. | AL (±8%) | |
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² | |
| | | | | DSG | DNH | DH/T | | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 37 | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 86 | |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 107 | |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 128 | |
| ✓ | - | ✓ | - | - | ✓ | - | 125 | 178 | |
| - | - | - | - | - | - | - | 160 | 228 | |
| - | - | - | - | - | - | - | 200 | 285 | |
| - | - | - | - | - | - | - | 300 | 428 | |

D□508

| | Core Dimensions | | | |
|-----------------------|-----------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 50.80 ^{+0.9} _{-0.2} | 31.80 ^{+0.2} _{-0.9} | 13.45 ^{+0.9} _{-0.3} |
| After coating | 51.80max | 30.80 min | 14.40 max | |
| Core Parameter | | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 1.251 | 12.73 | 15.93 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍铝 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 32 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 73 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 91 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 109 |
| ✓ | - | ✓ | - | - | ✓ | - | 125 | 152 |
| - | - | - | - | - | - | - | 160 | 195 |
| - | - | - | - | - | - | - | 200 | 243 |
| - | - | - | - | - | - | - | 300 | 364 |

D□508A

| | Core Dimensions | | | |
|-----------------------|-----------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 50.80 ^{+0.9} _{-0.2} | 24.10 ^{+0.2} _{-0.9} | 22.20 ^{+1.0} _{-0.3} |
| After coating | 51.70max | 23.20 min | 23.20 max | |
| Core Parameter | | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 2.83 | 10.7 | 30.281 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍铝 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 86 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 199 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 248 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 300 |
| ✓ | - | ✓ | - | - | ✓ | - | 125 | 407 |
| - | - | - | - | - | - | - | 160 | 521 |
| - | - | - | - | - | - | - | 200 | 675 |
| - | - | - | - | - | - | - | 300 | 1012 |

D□610

| | Core Dimensions | | | |
|-----------------------|-----------------|---------------------------------------|--|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 62.00 ^{+1.1} _{-0.2} | 32.50 ^{+0.2} _{-1.23} | 25.00 ^{+1.27} _{-0.3} |
| | After coating | 63.10max | 31.37 min | 26.20 max |
| Core Parameter | | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 3.675 | 14.37 | 52.81 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 83 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 192 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 240 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 288 |
| ✓ | - | ✓ | - | - | ✓ | - | 125 | 400 |
| - | - | - | - | - | - | - | 160 | 512 |
| - | - | - | - | - | - | - | 200 | 640 |
| - | - | - | - | - | - | - | 300 | 960 |

D□740

| | Core Dimensions | | | |
|-----------------------|-----------------|---------------------------------------|--|--|
| | | OD (mm) | ID (mm) | HT (mm) |
| | Before coating | 74.10 ^{+1.1} _{-0.2} | 45.30 ^{+0.2} _{-1.23} | 35.00 ^{+1.27} _{-0.3} |
| | After coating | 75.20max | 44.07 min | 36.27 max |
| Core Parameter | | | | |
| Ae (cm ²) | le (cm) | Ve (cm ³) | | |
| 5.04 | 18.38 | 92.64 | | |

Cores

| Part No. | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | μ | nH/N ² |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 89 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 206 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 257 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 309 |
| ✓ | - | ✓ | - | - | ✓ | - | 125 | 429 |
| - | - | - | - | - | - | - | 160 | 549 |
| - | - | - | - | - | - | - | 200 | 685 |
| - | - | - | - | - | - | - | 300 | 1028 |

D□778

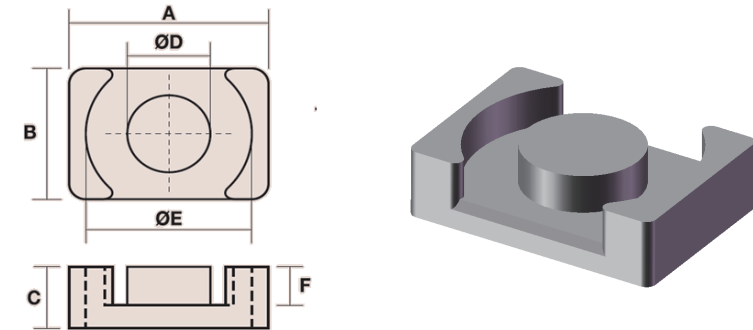
| Core Dimensions | | OD | ID | HT |
|-----------------|--|--------------------------------------|--|---------------------------------------|
| | | (mm) | (mm) | (mm) |
| Before coating | | 77.8 ^{+1.1} _{-0.2} | 49.23 ^{+0.2} _{-1.23} | 12.7 ^{+1.27} _{-0.3} |
| After coating | | 78.9max | 48.0 min | 13.97 max |

| Core Parameter | | |
|-----------------------|---------|-----------------------|
| Ae (cm ²) | le (cm) | Ve (cm ³) |
| 1.77 | 20 | 34.77 |

| Cores | | | | | | | Perm. | AL (±8%) |
|---------------|----------|-----------|-----------|------|-----|------|-------|-------------------|
| Part No. | | | | | | | μ | nH/N ² |
| 铁硅铝 DS/DSH | 铁镍 DH | 铁镍钼 DM | 铁硅 DFG | 多元合金 | | | | |
| | | | | DSG | DNH | DH/T | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | 30 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 60 | 68 |
| ✓ | - | - | ✓ | ✓ | - | ✓ | 75 | 85 |
| ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | 90 | 102 |
| ✓ | - | ✓ | - | - | ✓ | - | 125 | 142 |
| - | - | - | - | - | - | - | 160 | 182 |
| - | - | - | - | - | - | - | 200 | 227 |
| - | - | - | - | - | - | - | 300 | 340 |

异形磁芯 · Special Magnetic Powder Cores

DQ CORES



| Type | Dimension (mm) | | | | | | Le | Ae | Ve | AL±10%(nH/N ²) | | |
|-------------|----------------|----------|-----------|----------|----------|----------|------|-----------------|-----------------|----------------------------|-------|-------|
| | A | B | C | φD | φE | F | cm | cm ² | cm ³ | 026 μ | 040 μ | 060 μ |
| DQ20.5 | 20.5±0.3 | 14.0±0.3 | 8.1±0.3 | 8.8±0.3 | 18.8±0.3 | 5.7±0.3 | 4.52 | 0.608 | 2.75 | 44 | 68 | 101 |
| DQ26.5A | 26.5±0.3 | 19.0±0.2 | 6.85±0.15 | 12.0±0.2 | 22.6±0.3 | 3.85±0.2 | 4.17 | 1.198 | 4.99 | 89 | 137 | 205 |
| DQ26.5A12.4 | 26.5±0.3 | 19.0±0.3 | 12.4±0.2 | 12.0±0.2 | 22.6±0.3 | 9.10±0.2 | 6.39 | 1.198 | 7.66 | 61 | 94 | 141 |
| DQ32A | 32±0.4 | 22.0±0.3 | 10.3±0.2 | 13.5±0.2 | 27.6±0.3 | 6.6±0.3 | 6.03 | 1.523 | 9.184 | 83 | 127 | 190 |
| DQ32A15.2 | 32±0.4 | 22.0±0.3 | 15.2±0.2 | 13.5±0.2 | 27.6±0.3 | 11.5±0.3 | 7.99 | 1.523 | 12.17 | 62 | 96 | 144 |
| DQ36A | 36±0.5 | 26.0±0.3 | 9.1±0.3 | 14.4±0.2 | 32.0±0.4 | 5.1±0.3 | 6.15 | 1.808 | 11.12 | 95 | 147 | 220 |
| DQ36A17.4 | 36±0.5 | 26.0±0.3 | 17.4±0.3 | 14.4±0.2 | 32.0±0.4 | 13.4±0.3 | 9.47 | 1.808 | 17.12 | 62 | 96 | 144 |
| DQ50A | 50.5±0.5 | 32.5±0.4 | 25.25±0.4 | 20.4±0.2 | 43.6±0.5 | 19.3±0.3 | 13.3 | 3.141 | 41.90 | 77 | 118 | 178 |

异形磁芯 · Special Magnetic Powder Cores

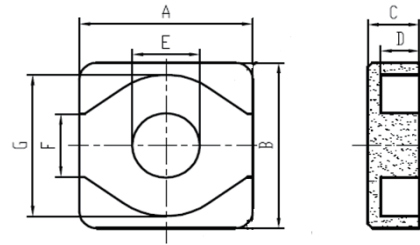


Figure 1

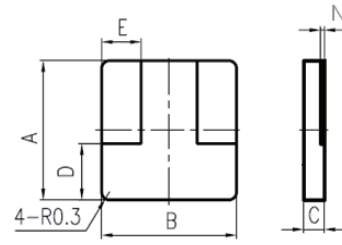


Figure B

| Type | Dimension (mm) | | | | | | | | |
|---------|----------------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| | A | B | C | ΦD | ΦE | F | G | N | |
| DQ6.5AC | E | 6.5±0.15 | 6.5±0.15 | 2.7±0.10 | 1.75±0.1 | 2.7±0.1 | 2.3±0.2 | 5.2±0.15 | - |
| | I | 6.5±0.15 | 6.5±0.15 | 0.95±0.10 | 2.5+0.2-0 | 1.9±0.25 | 6.25±0.25 | - | 0.15±0.05 |
| DQ7.6 | E | 7.5±0.1 | 7.4±0.1 | 3.7±0.1 | 2.8±0.1 | 3.1±0.1 | 2.85±0.1 | 5.2±0.15 | - |
| | I | 7.4±0.1 | 7.5±0.2 | 1.0±0.1 | 2.35±0.1 | 2.05±0.1 | 7.0±0.1 | - | 0.1±0.1 |
| DQ12.8F | E | 12.8±0.28 | 12.8±0.28 | 4.4±0.1 | 3.1±0.1 | 4.8±0.15 | 4.9±0.25 | 10.2±0.15 | - |
| | I | 12.8±0.28 | 12.1±0.3 | 1.4±0.1 | 4.0±0.25 | 3.3±0.25 | - | - | 0.35±0.05 |

异形磁芯 · Special Magnetic Powder Cores

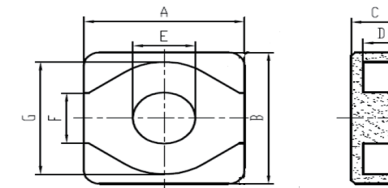


Figure 1

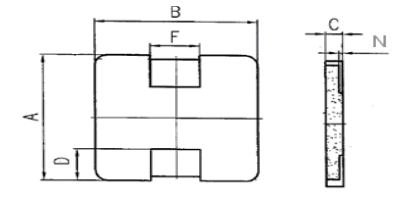
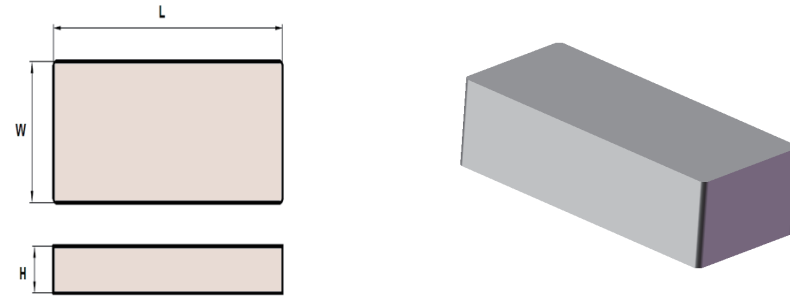


Figure C

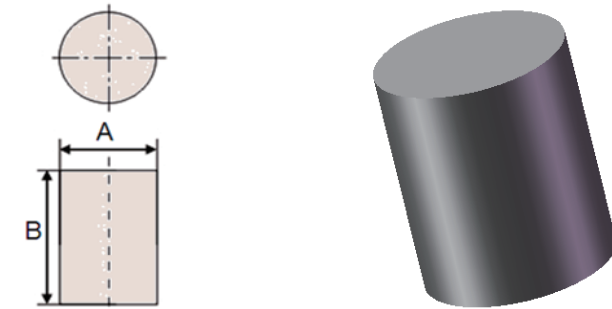
| Type | Dimension (mm) | | | | | | | | |
|--------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | A | B | C | ΦD | ΦE | F | G | N | |
| DQ6.5B | E | 6.5±0.10 | 6.5±0.10 | 2.10±0.10 | 1.4 min | 2.50±0.10 | 3.20±0.15 | 5.55±0.1 | - |
| | I | 6.5±0.10 | 6.5±0.10 | 0.70±0.10 | 1.6±0.15 | - | 1.80±0.15 | - | 0.10±0.05 |
| DQ10A | E | 10.0±0.25 | 10.0±0.25 | 2.6±0.10 | 1.5±0.10 | 4.20±0.10 | 4.00±0.15 | 8.20±0.15 | - |
| | I | 10.0±0.25 | 10.0±0.25 | 1.1±0.10 | 2.50 | - | 3.00±0.15 | 0.25±0.05 | - |
| DQ12.7 | E | 12.7±0.23 | 12.7±0.23 | 4.80±0.10 | 3.60±0.10 | 4.80±0.15 | 4.20±0.15 | 10.4±0.15 | - |
| | I | 12.7±0.23 | 12.7±0.23 | 1.20±0.10 | 3.3±0.15 | - | 4.20±0.15 | - | 0.25±0.05 |

DFK CORES



| Type | Dimensions (mm) | | |
|-------------------|-----------------|-----------|------------|
| | L | W | H |
| DFK 10X3X0.65A | 10±0.10 | 3.0±0.05 | 0.65±0.025 |
| DFK 10X3X0.7A | 10±0.10 | 3.0±0.1 | 0.7±0.1 |
| DFK 17X9X6A | 17±0.50 | 9.0±0.50 | 6.0±0.1 |
| DFK 17X9X10A | 17±0.50 | 9.0±0.50 | 10±0.1 |
| DFK 24X10.6X1.25A | 23.8±0.20 | 10.4±0.1 | 1.0±0.1 |
| DFK 34X3.9X3.7A | 34±0.4 | 3.9±0.15 | 3.7±0.15 |
| DFK 34X32X10A | 34.0±0.3 | 32.0±0.30 | 10.0±0.2 |
| DFK 34X32X9.3A | 34.0±0.3 | 32.0±0.30 | 9.3±0.2 |
| DFK 40×37×15A | 40±0.25 | 37±0.25 | 15±0.25 |
| DFK 49.5×37×15A | 49.5±0.35 | 37.0±0.30 | 15.0±0.25 |
| DFK 60×30×12A | 60.0±0.40 | 30.0±0.40 | 12.0±0.4 |
| DFK 60×30×15A | 60.0±0.40 | 30.0±0.40 | 15.0±0.20 |
| DFK 60×30×20A | 60.0±0.40 | 30.0±0.40 | 20.0±0.30 |
| DFK 60.4×30.2×15A | 60.4±0.40 | 30.2±0.40 | 15.0±0.2 |
| DFK 70×20×10A | 70.7±0.50 | 20.0±0.30 | 10.0±0.30 |
| DFK 70×20×20A | 70.7±0.50 | 20.5±0.30 | 20.0±0.30 |
| DFK 70×30×20A | 70.0±0.40 | 30.0±0.50 | 20.0±0.40 |
| DFK 80×20×20A | 80.7±0.50 | 20.5±0.30 | 20.0±0.30 |
| DFK 80×30×10A | 80.0±0.50 | 30.0±0.30 | 10.0±0.30 |
| DFK 80×30×20A | 80.0±0.50 | 30.0±0.30 | 20.0±0.30 |
| DFK 80×30×30A | 80.0±0.50 | 30.0±0.30 | 30.0±0.30 |
| DFK 80.5×30.3×20A | 80.5±0.50 | 30.3±0.30 | 20.0±0.40 |

DP CORES



| Type | Dimensions (mm) | |
|------------|---------------------------------------|----------|
| | A | B |
| DP17X15A | 17±0.3 | 15±0.3 |
| DP17X20A | 17±0.3 | 20±0.3 |
| DP17X25A | 17±0.3 | 25±0.3 |
| DP20X15A | 20±0.3 | 15±0.3 |
| DP20X20A | 20±0.3 | 20±0.3 |
| DP20X25A | 20±0.3 | 25±0.3 |
| DP24.1X18A | 24.1 ^{+0.15} _{-0.4} | 18±0.3 |
| DP24.1X21A | 24.1 ^{+0.15} _{-0.4} | 21±0.3 |
| DP24X15A | 24±0.3 | 15±0.3 |
| DP24X20A | 24±0.3 | 20±0.3 |
| DP24X25A | 24±0.3 | 25±0.3 |
| DP28X20A | 28±0.3 | 20±0.3 |
| DP28X25A | 28±0.3 | 25±0.3 |
| DP30X20A | 30±0.3 | 20±0.3 |
| DP30X20A | 30±0.3 | 25±0.3 |
| DP30X27.5A | 30±0.3 | 27.5±0.3 |
| DP35X20A | 35±0.3 | 20±0.3 |
| DP35X25A | 35±0.3 | 25±0.3 |
| DP40X25A | 40±0.7 | 25±0.7 |
| DP50X20B | 50±0.3 | 20±0.3 |
| DP50X30B | 50±0.3 | 30±0.3 |
| DP60X25A | 60 Max | 25±0.5 |

异形磁芯形状对应材料可行性参考表
Reference table for material feasibility of cores shape

| Material | Perm. | FK | E | Q | P | U | TA |
|--------------------------|---------|----|---|---|---|---|----|
| | | | | | | | |
| DS (Sendust) | 026~060 | ○ | ○ | ○ | ○ | ○ | ○ |
| | 075 | ○ | ○ | ○ | ○ | - | ○ |
| | 125 | ○ | ○ | - | ○ | ○ | ○ |
| DFG | 026~060 | ○ | ○ | ○ | ○ | ○ | ○ |
| | 075 | ○ | - | ○ | - | - | - |
| | 090 | ○ | - | ○ | - | - | - |
| DH (High Flux) | 026~060 | ○ | ○ | ○ | ○ | ○ | ○ |
| | 125 | ○ | ○ | ○ | ○ | ○ | ○ |
| DSH/DNH (Multi-alloy) | 026 | ○ | ○ | ○ | - | - | - |
| | 060 | ○ | ○ | ○ | - | - | - |



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