

材料特性一览表

MAGNETIC PROPERTIES OF MATERIALS

高磁导率锰锌铁氧体材料特性表

High Permeability MnZn Ferrites Material Characteristics

| 特性 Characteristics 材质 Materials | 初始磁导率 Initial Permeability μ_i | 饱和磁感应 强度 Saturation flux density Bs (mT) (H=1200 A/m) | 剩磁 Residual Flux Density Br (mT) | 矫顽力 Coercive Hc (A/m) | 比损耗因子 Relative Loss Factor $\tan\delta/\mu_i$ (10^{-6}) | 比磁滞损耗 系数 hysteresis material constant η_B ($10^{-6}/\text{mT}$) | 居里温度 Curie Temperature Tc(°C) | 密度 Density d(g/cm ³) |
|--|---|--|---|-----------------------------|---|---|--|--|
| | M70 | 4100 | 460 | 40 | 7 | <10 | <0.6 | >160 |
| M705 | 5000 | 450 | 70 | 7 | <4 | <0.6 | >150 | 4.9 |
| M707 | 7000 | 420 | 140 | 6 | <8 | <0.8 | >150 | 4.9 |
| M710 | 10000 | 400 | 100 | 6 | <10 | <0.6 | >120 | 4.9 |
| M712 | 12000 | 380 | 80 | 5 | <10 | <0.6 | >120 | 4.9 |
| M93 | 4000 | 300 | 150 | 10 | <20 | <0.8 | >105 | 4.9 |

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)

低功耗锰锌铁氧体材料特性表

Low Loss MnZn Ferrites Material Characteristics

| 特性 Characteristics 材质 Materials | 初始磁导率 Initial Permeability μ_i | 饱和磁感应强度 Saturation flux density Bs (mT) (H=1200A/m) | 剩磁 Residual Flux Density Br (mT) | 矫顽力 Coercive Hc (A/m) | 功耗 Power Loss (100KHz,200mT) | | 居里温度 Curie Temperature Tc (°C) | 密度 Density d (g/cm ³) |
|--|---|---|--|-----------------------------|------------------------------------|-------------------------------------|---|---|
| | | | | | Pcv(25°C) (mw/cm ³) | Pcv(100°C) (mw/cm ³) | | |
| M70G | 2000 | 600 | 150 | 19 | 800 | 1100 | >250 | 4.9 |
| M70H | 3000 | 550 | 150 | 10 | 400 | 750 | >290 | 4.8 |
| M74 | 2300 | 510 | 100 | 13 | 600 | 400 | >220 | 4.8 |
| M74B | 2400 | 510 | 110 | 13 | 580 | 300 | >230 | 4.8 |
| M74C | 2000 | 540 | 170 | 12 | 700 | 320 | >250 | 4.8 |
| M75 | 1100 | 510 | 140 | 40 | 70 [#] | 70 [#] | >290 | 4.7 |
| M79 | 3300 | 530 | 80 | 9 | 380 | 300 | >215 | 4.8 |

注：# 表示测试条件为 1MHz,30mT。

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)

材料特性一览表

MAGNETIC PROPERTIES OF MATERIALS

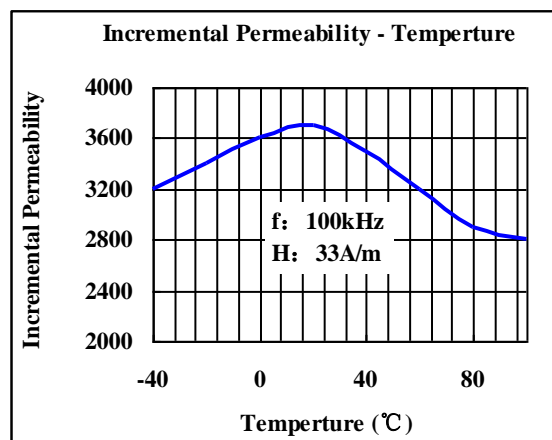
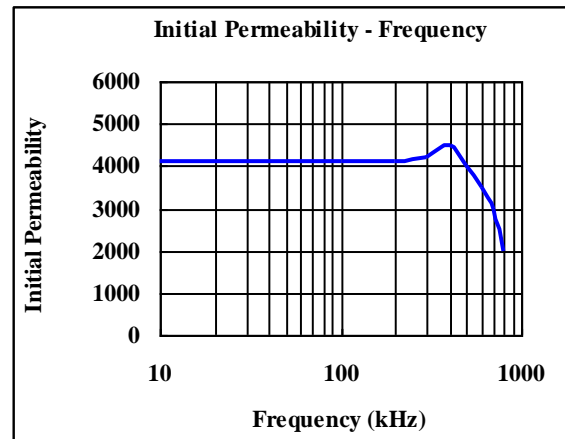
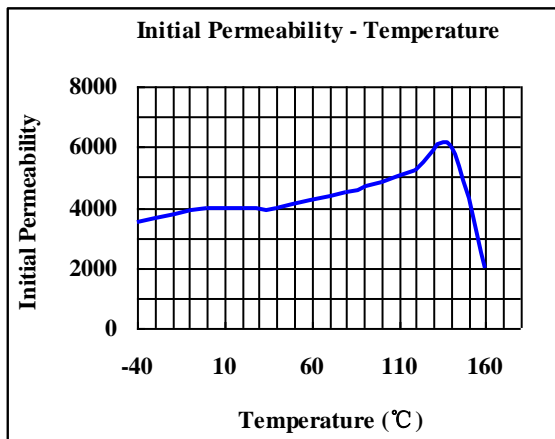
M70 材料特性曲线

M70 Material Characteristics Curve

| 特性 Characteristics | 初始磁导率 Initial Permeability μ_i | 饱和磁感应 强度 Saturation flux density B_s (mT) (H=1200 A/m) | 剩磁 Residual Flux Density B_r (mT) | 矫顽力 Coercive Hc (A/m) | 比损耗因子 Relative Loss Factor $\tan\delta/\mu_i$ (10^{-6}) | 比磁滞损耗 系数 hysteresis material constant ηB ($10^{-6}/mT$) | 居里温度 Curie Temperature T_c ($^{\circ}C$) | 密度 Density $d(g/cm^3)$ |
|-----------------------|--|---|--|-----------------------------|---|--|---|------------------------------|
| M70 | 4100 | 460 | 40 | 7 | <10 | <0.6 | >160 | 4.9 |

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)



材料特性一览表

MAGNETIC PROPERTIES OF MATERIALS

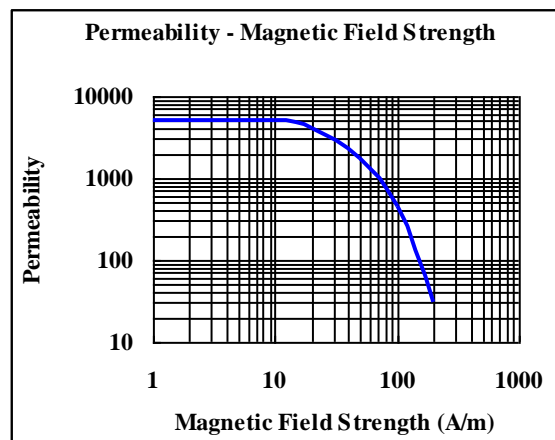
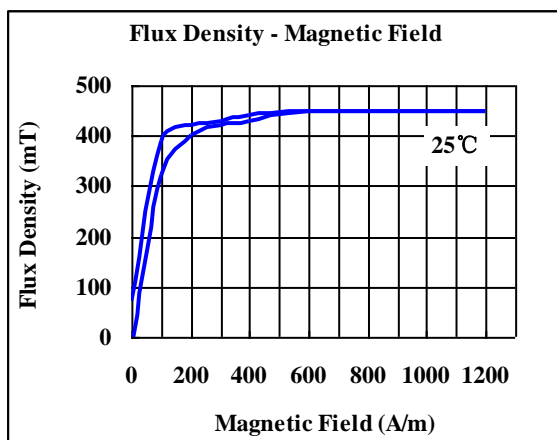
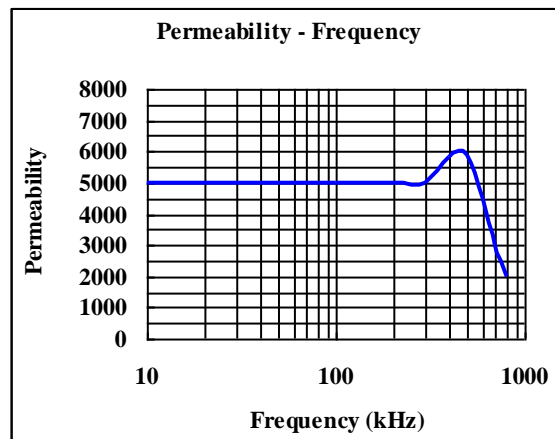
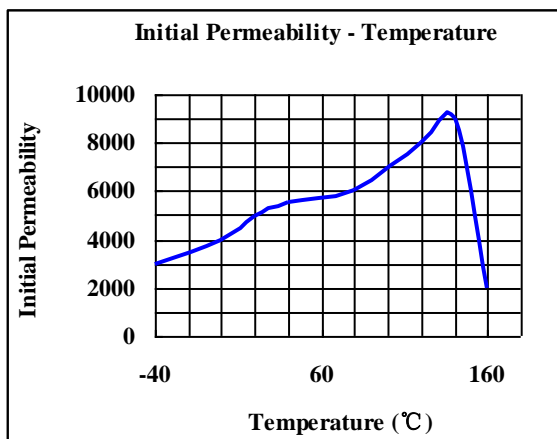
M705 材料特性曲线

M705 Material Characteristics Curve

| 特性 Characteristics | 初始磁导率 Initial Permeability μ_i | 饱和磁感应 强度 Saturation flux density B_s (mT) ($H=1200$ A/m) | 剩磁 Residual Flux Density B_r (mT) | 矫顽力 Coercive H_c (A/m) | 比损耗因子 Relative Loss Factor $\tan\delta/\mu_i$ (10^{-6}) | 比磁滞损耗 系数 hysteresis material constant ηB ($10^{-6}/mT$) | 居里温度 Curie Temperature T_c ($^{\circ}C$) | 密度 Density $d(g/cm^3)$ | |
|-----------------------|---|--|--|--------------------------------|---|--|---|------------------------------|-----|
| 材质 Materials | M705 | 5000 | 450 | 70 | 7 | <4 | <0.6 | >150 | 4.9 |

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)



材料特性一览表

MAGNETIC PROPERTIES OF MATERIALS

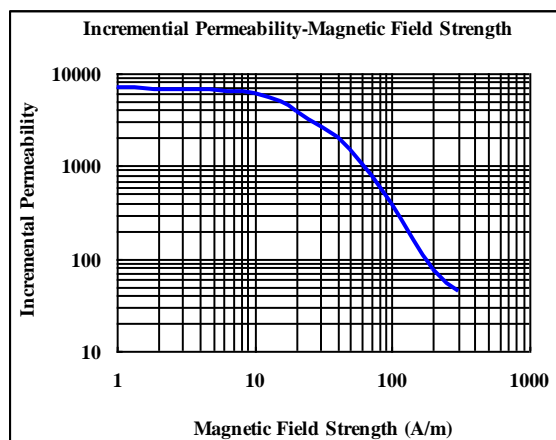
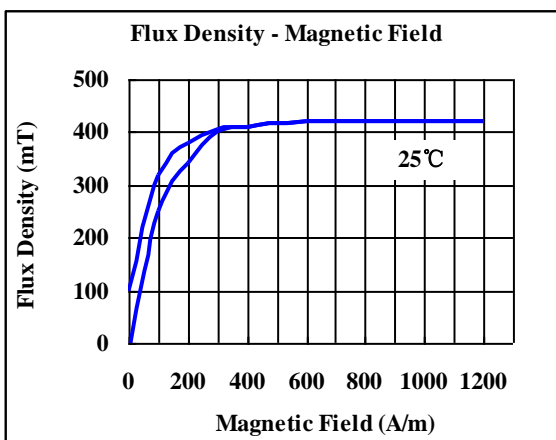
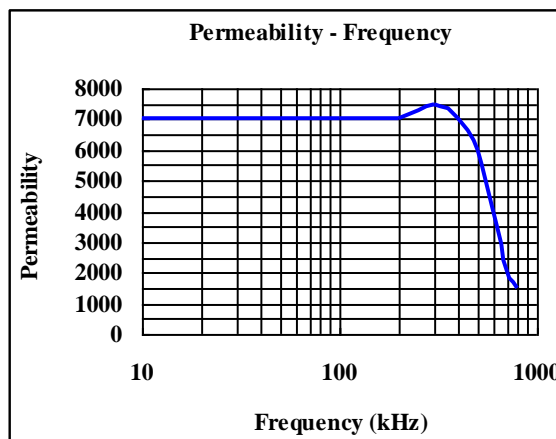
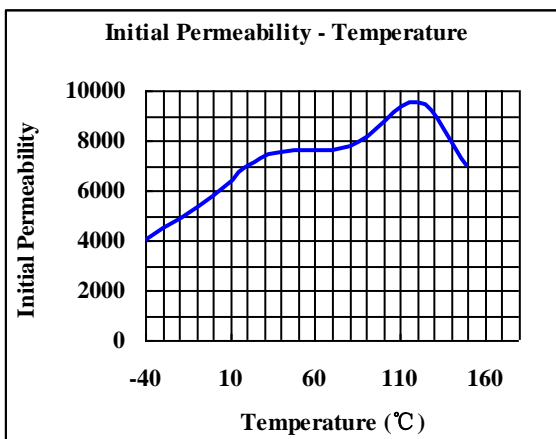
M707 材料特性曲线

M707 Material Characteristics Curve

| 特性 Characteristics | 初始磁导率 Initial Permeability μ_i | 饱和磁感应 强度 Saturation flux density B_s (mT) ($H=1200$ A/m) | 剩磁 Residual Flux Density B_r (mT) | 矫顽力 Coercive H_c (A/m) | 比损耗因子 Relative Loss Factor $\tan\delta/\mu_i$ (10^{-6}) | 比磁滞损耗 系数 hysteresis material constant ηB ($10^{-6}/mT$) | 居里温度 Curie Temperature T_c ($^{\circ}C$) | 密度 Density $d(g/cm^3)$ | |
|-----------------------|---|--|--|--------------------------------|---|--|---|------------------------------|-----|
| 材质 Materials | M707 | 7000 | 420 | 140 | 6 | <8 | <0.8 | >150 | 4.9 |

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)



材料特性一览表

MAGNETIC PROPERTIES OF MATERIALS

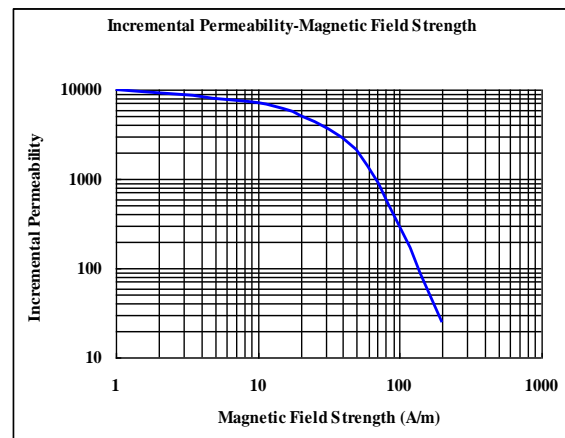
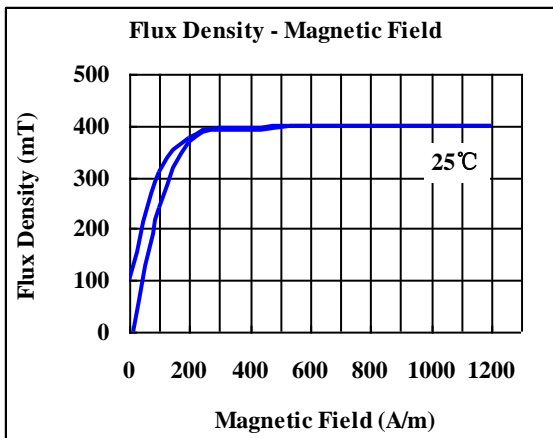
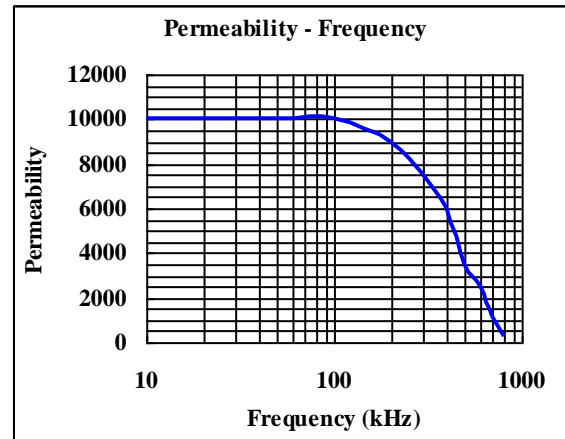
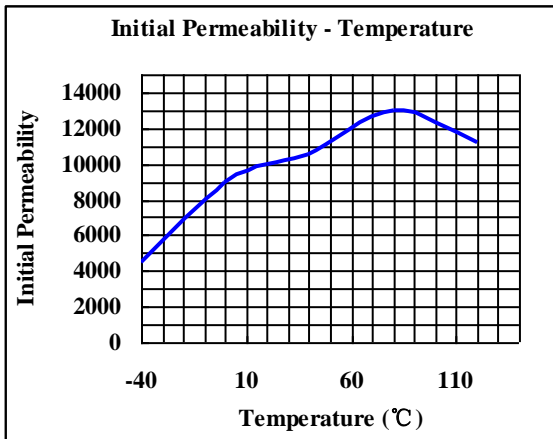
M710 材料特性曲线

M710 Material Characteristics Curve

| 特性 Characteristics 材质 Materials | 初始磁导率 Initial Permeability μ_i | 饱和磁感应 强度 Saturation flux density B_s (mT) ($H=1200$ A/m) | 剩磁 Residual Flux Density B_r (mT) | 矫顽力 Coercive H_c (A/m) | 比损耗因子 Relative Loss Factor $\tan\delta/\mu_i$ (10^{-6}) | 比磁滞损耗 系数 hysteresis material constant ηB ($10^{-6}/mT$) | 居里温度 Curie Temperature T_c ($^{\circ}C$) | 密度 Density $d(g/cm^3)$ |
|--|---|--|--|--------------------------------|---|--|---|------------------------------|
| M710 | 10000 | 400 | 100 | 6 | <10 | <0.6 | >120 | 4.9 |

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)



材料特性一览表

MAGNETIC PROPERTIES OF MATERIALS

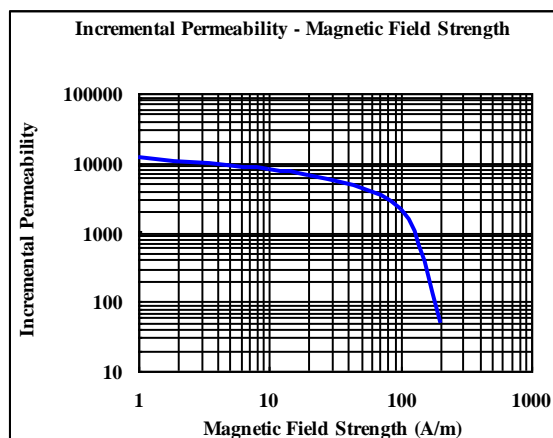
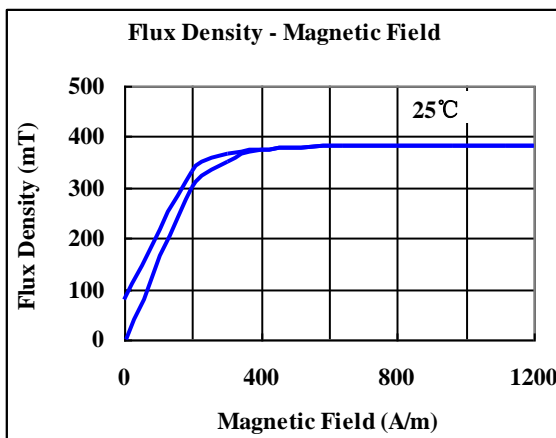
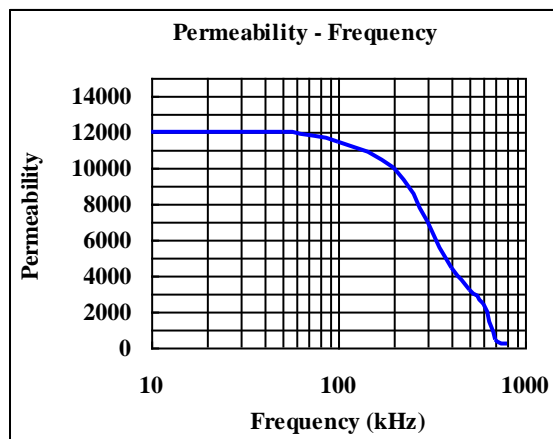
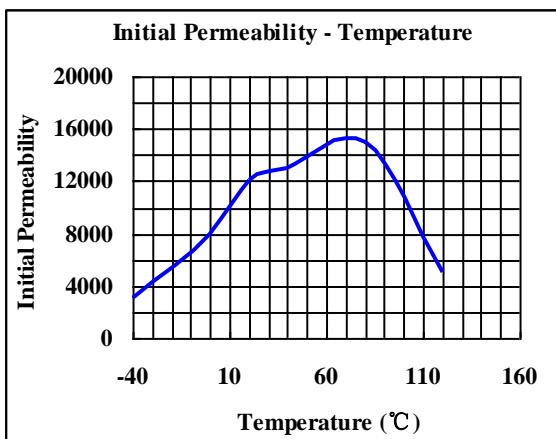
M712 材料特性曲线

M712 Material Characteristics Curve

| 特性 Characteristics | 初始磁导率 Initial Permeability μ_i | 饱和磁感应 强度 Saturation flux density B_s (mT) ($H=1200$ A/m) | 剩磁 Residual Flux Density B_r (mT) | 矫顽力 Coercive H_c (A/m) | 比损耗因子 Relative Loss Factor $\tan\delta/\mu_i$ (10^{-6}) | 比磁滞损耗 系数 hysteresis material onstant ηB ($10^{-6}/mT$) | 居里温度 Curie Temperature T_c ($^{\circ}C$) | 密度 Density $d(g/cm^3)$ |
|-----------------------|--|--|--|--------------------------------|---|---|---|------------------------------|
| M712 | 12000 | 380 | 80 | 5 | <10 | <0.6 | >120 | 4.9 |

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)



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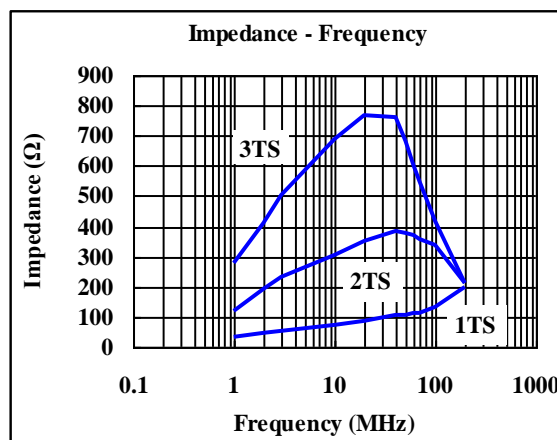
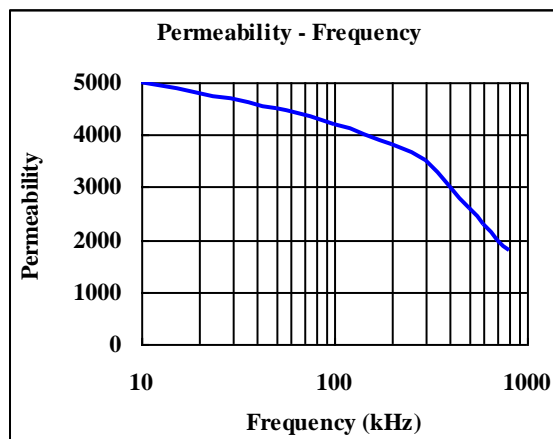
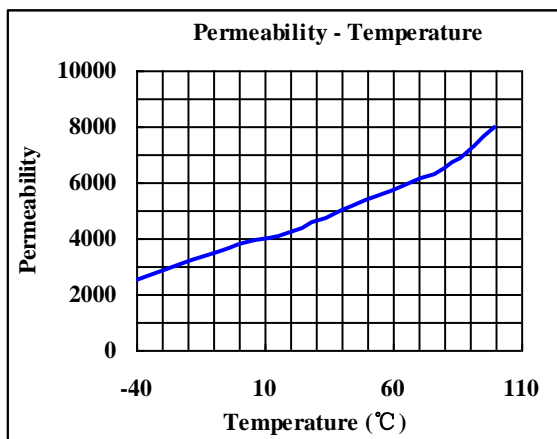
M93 材料特性曲线

M93 Material Characteristics Curve

| 特性 Characteristics | 初始磁导率 Initial Permeability μ_i | 饱和磁感应 强度 Saturation flux density B_s (mT) (H=1200 A/m) | 剩磁 Residual Flux Density B_r (mT) | 矫顽力 Coercive Hc (A/m) | 比损耗因子 Relative Loss Factor $\tan\delta/\mu_i$ (10^{-6}) | 比磁滞损耗 系数 hysteresis material constant ηB ($10^{-6}/mT$) | 居里温度 Curie Temperature T_c ($^{\circ}C$) | 密度 Density $d(g/cm^3)$ |
|-----------------------|---|---|--|-----------------------------|---|--|---|------------------------------|
| M93 | 4000 | 300 | 150 | 10 | <20 | <0.8 | >105 | 4.9 |

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)



T38*19*13 Φ 1.0*180mm

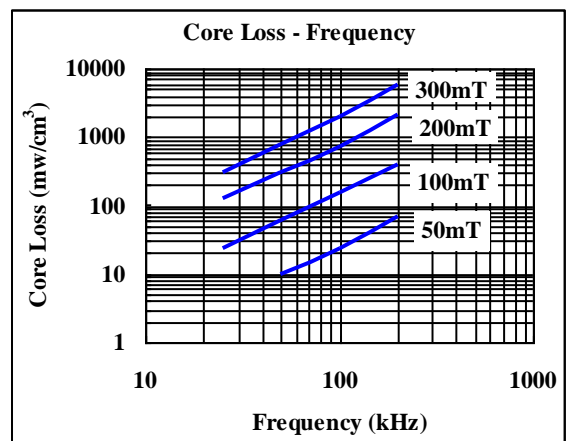
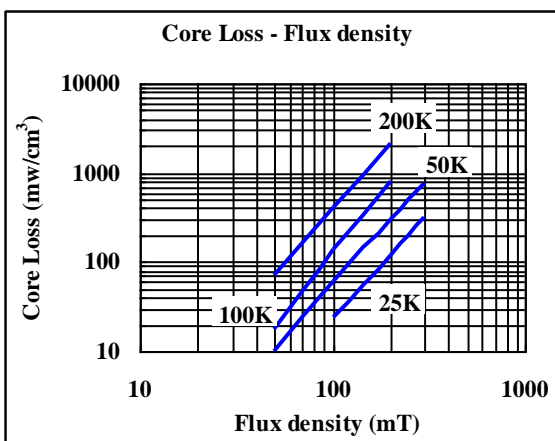
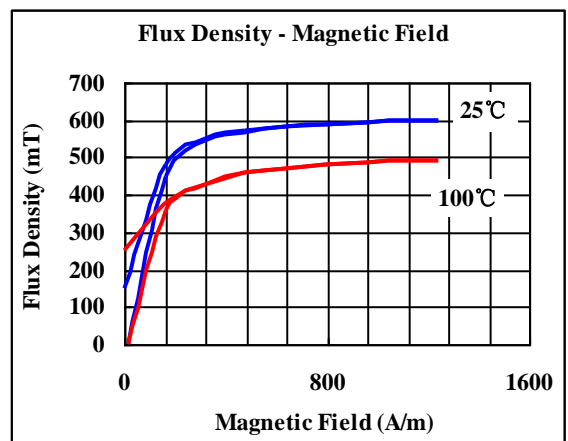
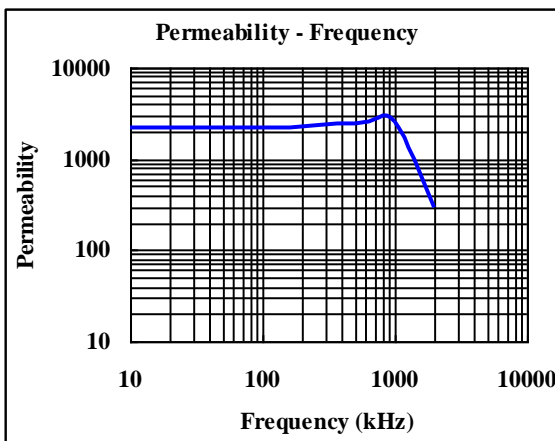
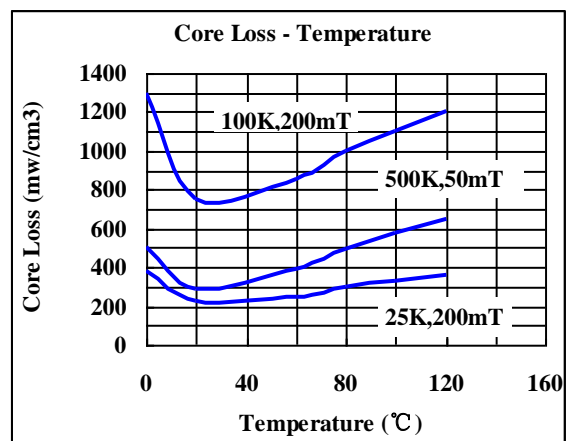
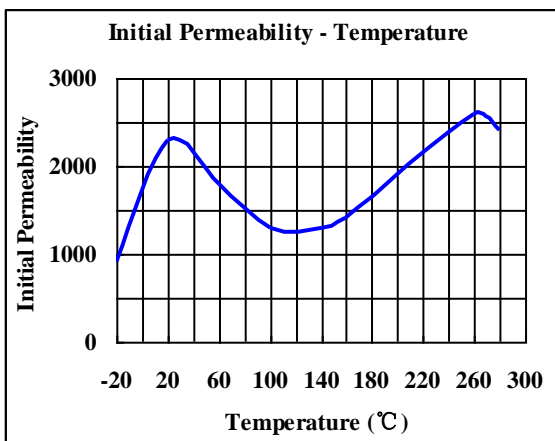
材料特性一览表

MAGNETIC PROPERTIES OF MATERIALS

M70G 材料特性曲线

M70G Material Characteristics Curve

| 特性 Characteristics 材质 Materials | 初始磁导率 Initial Permeability μ_i | 饱和磁感应强度 Saturation flux density Bs (mT) (H=1200A/m) | 剩磁 Residual Flux Density Br (mT) | 矫顽力 Coercive Hc (A/m) | 功耗 Power Loss (100KHz,200mT) | | 居里温度 Curie Temperature Tc (°C) | 密度 Density d (g/cm ³) |
|--|--|--|--|--------------------------|------------------------------------|-------------------------------------|--------------------------------------|---|
| | | | | | Pcv(25°C) (mw/cm ³) | Pcv(100°C) (mw/cm ³) | | |
| | | | | | | | | |
| M70G | 2000 | 600 | 150 | 19 | 800 | 1100 | >250 | 4.9 |



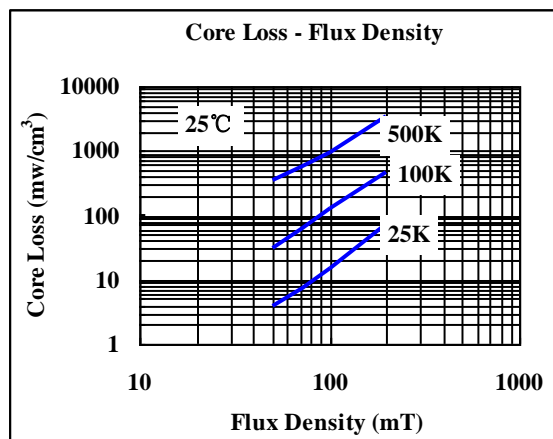
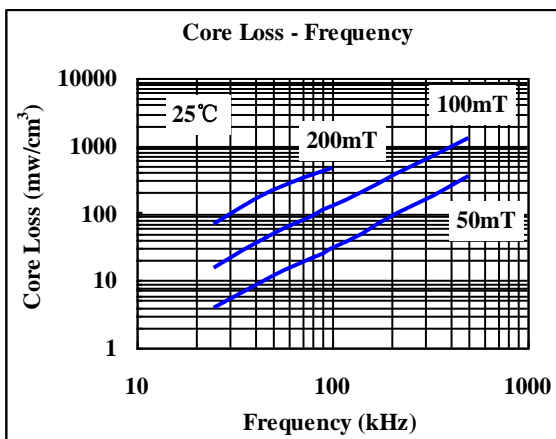
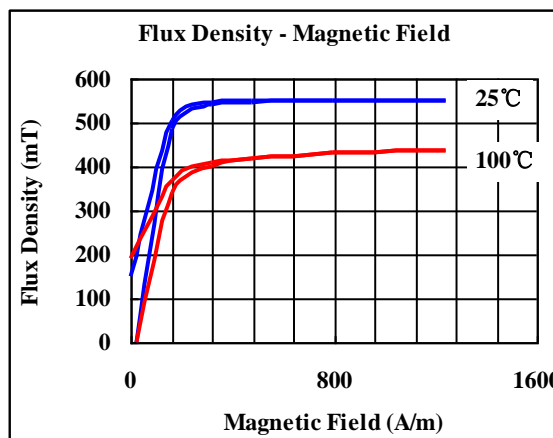
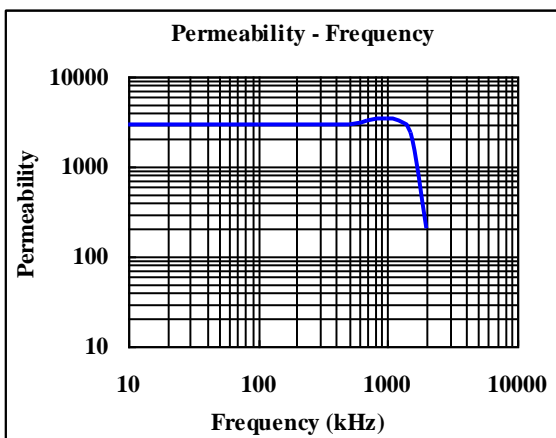
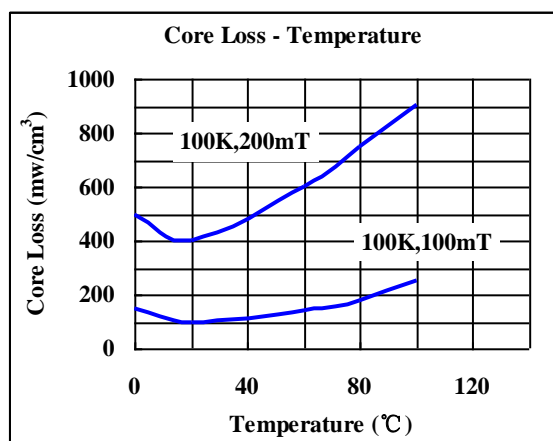
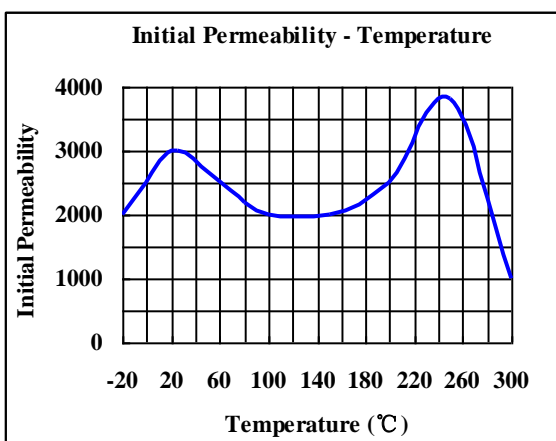
材料特性一览表

MAGNETIC PROPERTIES OF MATERIALS

M70H 材料特性曲线

M70H Material Characteristics Curve

| 特性 Characteristics 材质 Materials | 初始磁导率 Initial Permeability μ_i | 饱和磁感应强度 Saturation flux density Bs (mT) (H=1200A/m) | 剩磁 Residual Flux Density Br (mT) | 矫顽力 Coercive Hc (A/m) | 功耗 Power Loss (100KHz,200mT) | | 居里温度 Curie Temperature Tc (°C) | 密度 Density d (g/cm ³) |
|--|--|--|--|--------------------------|------------------------------------|-------------------------------------|--------------------------------------|---|
| | | | | | Pcv(25°C) (mw/cm ³) | Pcv(100°C) (mw/cm ³) | | |
| | | | | | | | | |
| M70H | 3000 | 550 | 150 | 10 | 400 | 750 | >290 | 4.8 |



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MAGNETIC PROPERTIES OF MATERIALS

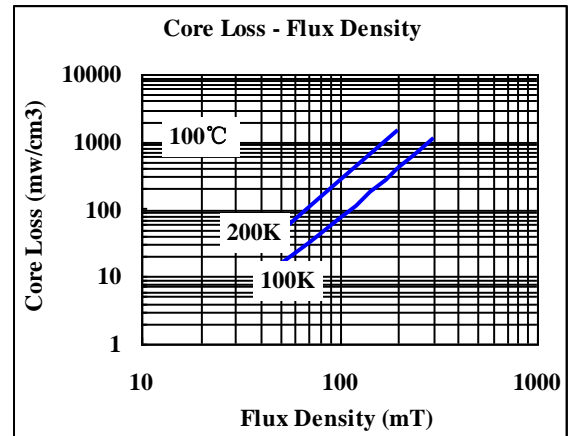
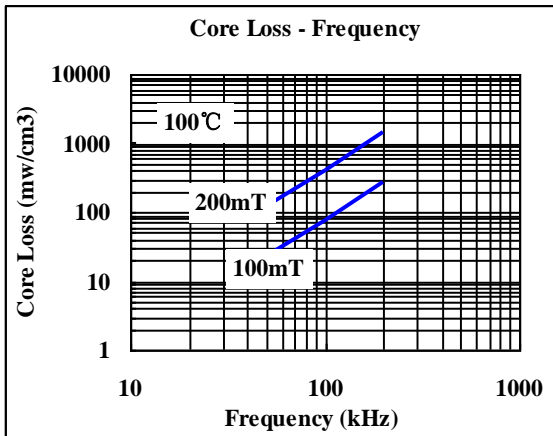
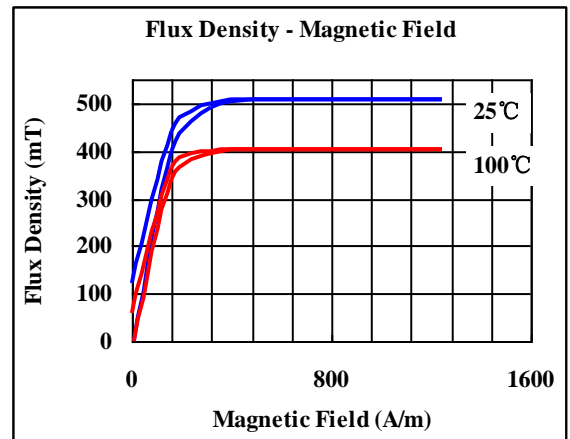
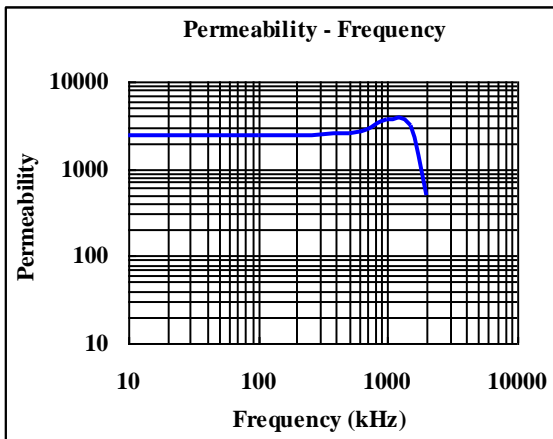
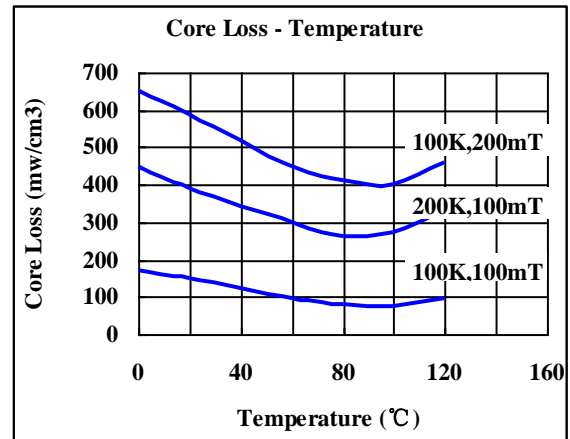
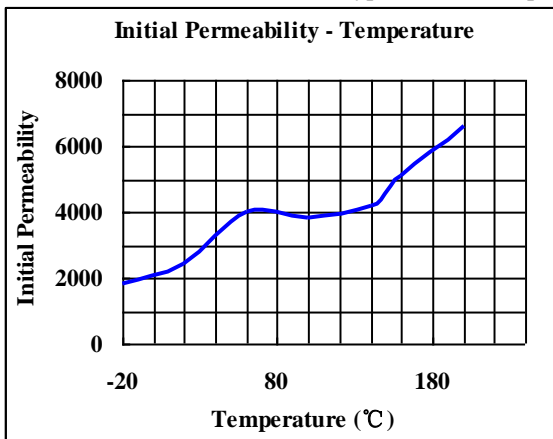
M74 材料特性曲线

M74 Material Characteristics Curve

| 特性 Characteristics 材质 Materials | 初始磁导率 Initial Permeability μ_i | 饱和磁感应强度 Saturation flux density Bs (mT) (H=1200A/m) | 剩磁 Residual Flux Density Br (mT) | 矫顽力 Coercive Hc (A/m) | 功耗 Power Loss (100K,200mT) | | 居里温度 Curie Temperature Tc (°C) | 密度 Density d (g/cm ³) |
|--|--|--|--|--------------------------|------------------------------------|-------------------------------------|--------------------------------------|---|
| | | | | | Pcv(25°C) (mw/cm ³) | Pcv(100°C) (mw/cm ³) | | |
| | | | | | | | | |
| M74 | 2300 | 510 | 100 | 13 | 600 | 400 | >220 | 4.8 |

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)



材料特性一览表

MAGNETIC PROPERTIES OF MATERIALS

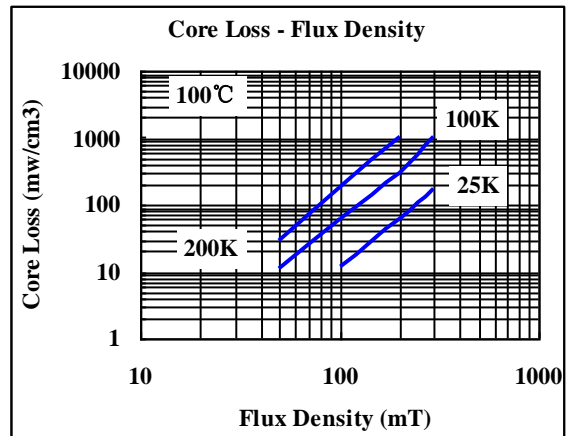
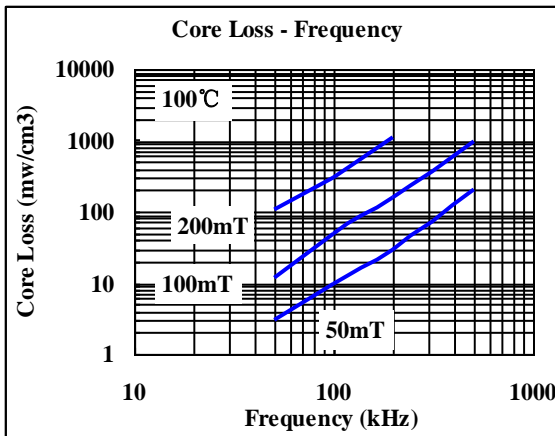
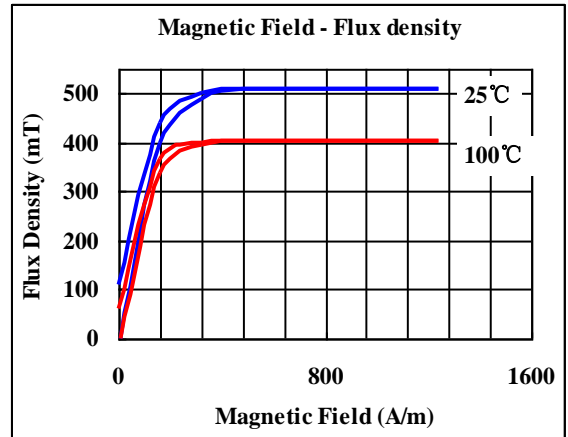
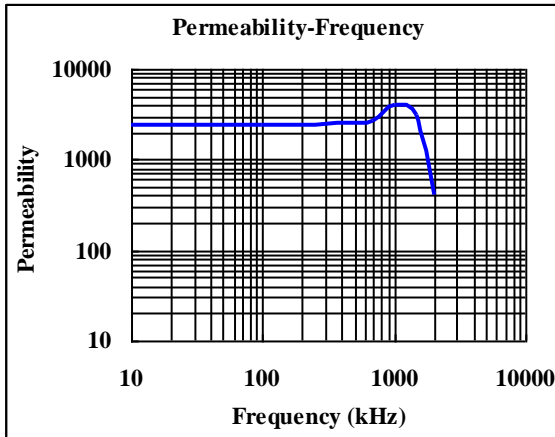
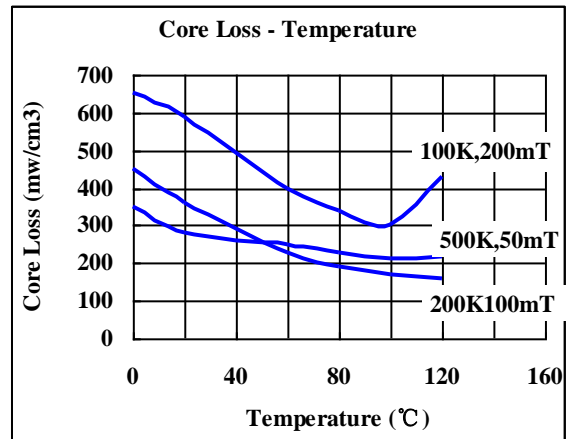
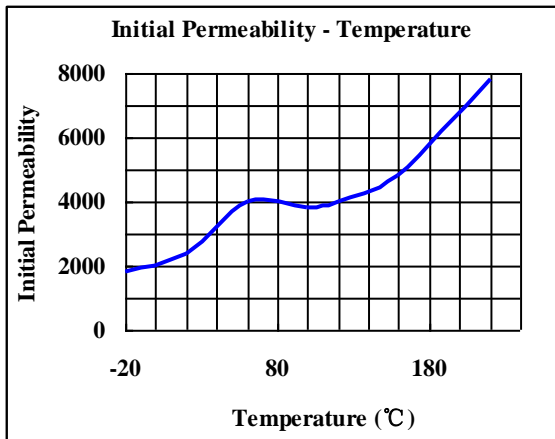
M74B 材料特性曲线

M74B Material Characteristics Curve

| 特性 Characteristics 材质 Materials | 初始磁导率 Initial Permeability μ_i | 饱和磁感应强度 Saturation flux density Bs (mT) (H=1200A/m) | 剩磁 Residual Flux Density Br (mT) | 矫顽力 Coercive Hc (A/m) | 功耗 Power Loss (100K,200mT) | | 居里温度 Curie Temperature Tc (°C) | 密度 Density d (g/cm ³) |
|--|--|--|--|-----------------------------|------------------------------------|-------------------------------------|--------------------------------------|---|
| | | | | | Pcv(25°C) (mw/cm ³) | Pcv(100°C) (mw/cm ³) | | |
| M74B | 2400 | 510 | 110 | 13 | 580 | 300 | >230 | 4.8 |

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)

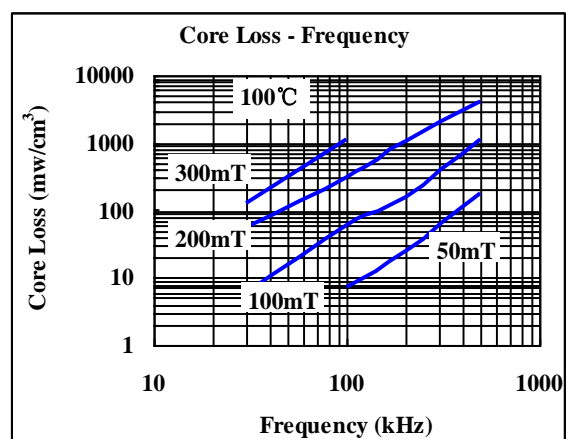
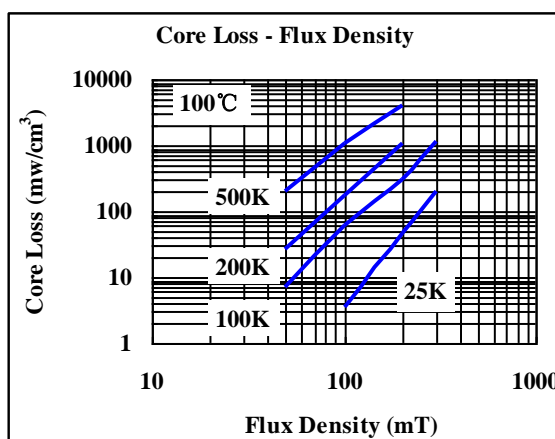
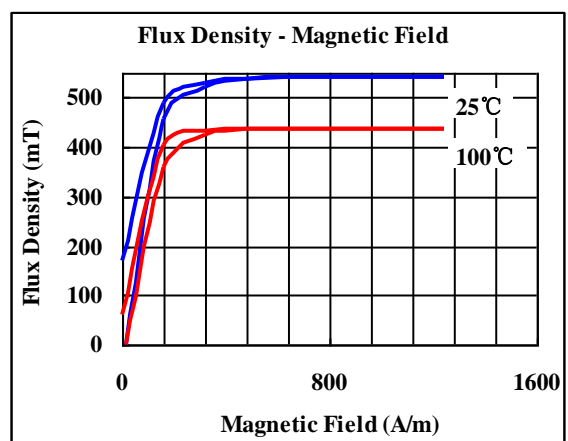
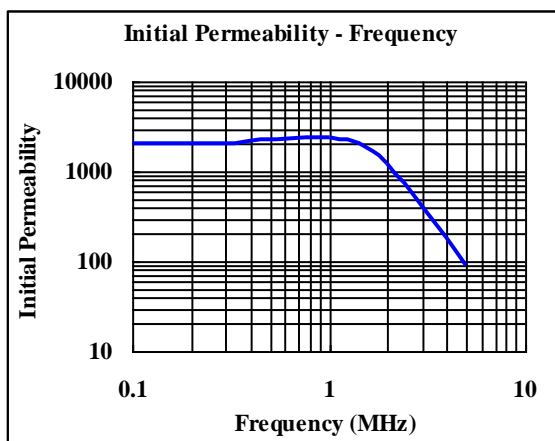
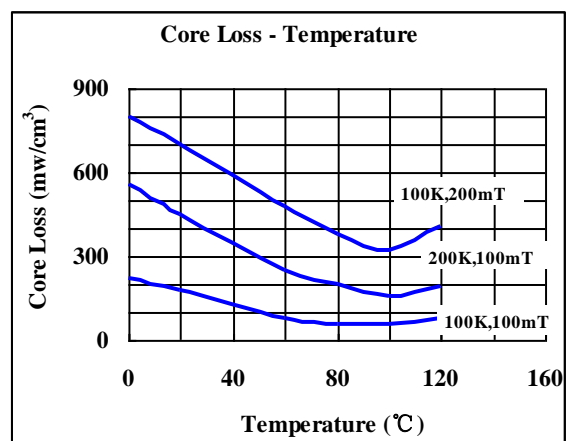
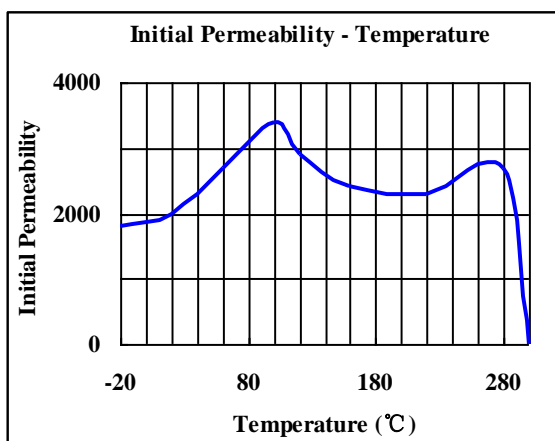


材料特性一览表 MAGNETIC PROPERTIES OF MATERIALS

M74C 材料特性曲线

M74C Material Characteristics Curve

| 特性 Characteristics 材质 Materials | 初始磁导率 Initial Permeability μ_i | 饱和磁感应强度 Saturation flux density Bs (mT) (H=1200A/m) | 剩磁 Residual Flux Density Br (mT) | 矫顽力 Coercive Hc (A/m) | 功耗 Power Loss (100KHz,200mT) | | 居里温度 Curie Temperature Tc (°C) | 密度 Density d (g/cm ³) |
|--|--|--|--|--------------------------|------------------------------------|-------------------------------------|--------------------------------------|---|
| | | | | | Pcv(25°C) (mw/cm ³) | Pcv(100°C) (mw/cm ³) | | |
| | | | | | | | | |
| M74C | 2000 | 540 | 170 | 12 | 700 | 320 | >250 | 4.8 |



材料特性一览表 MAGNETIC PROPERTIES OF MATERIALS

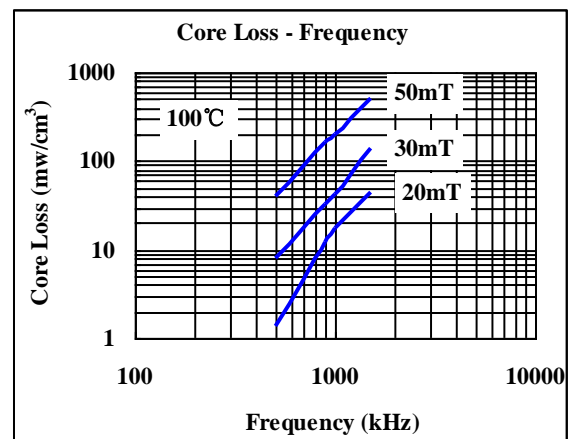
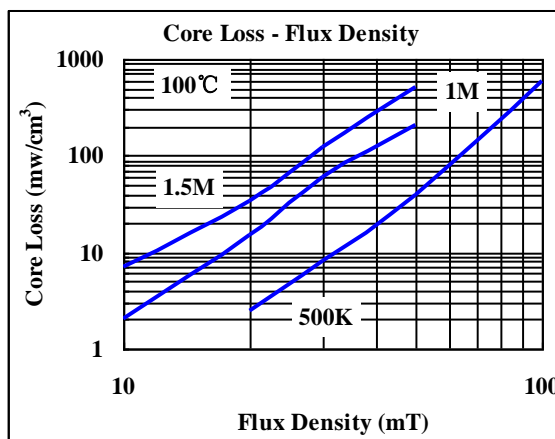
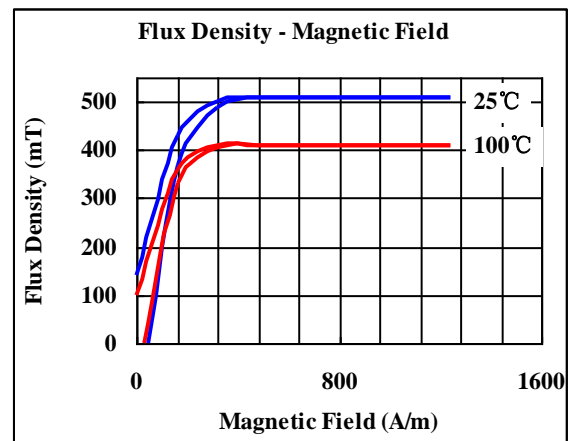
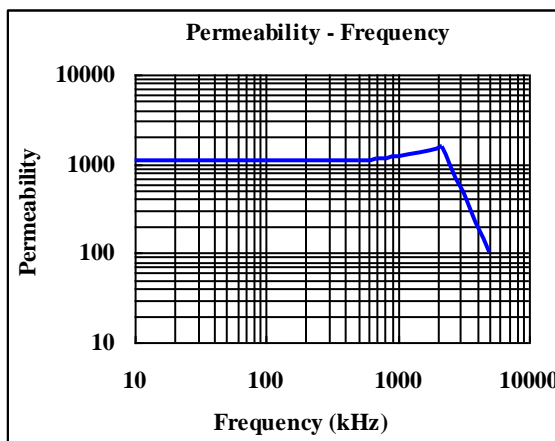
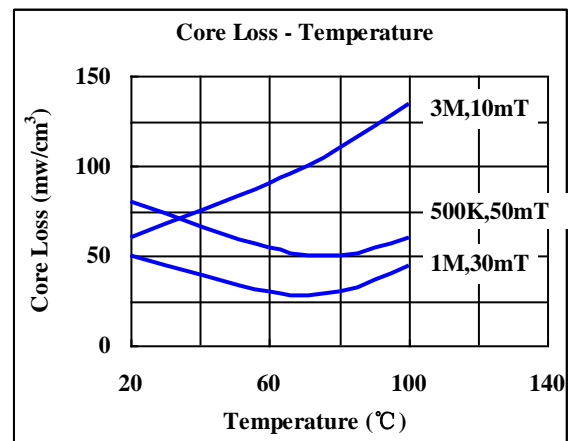
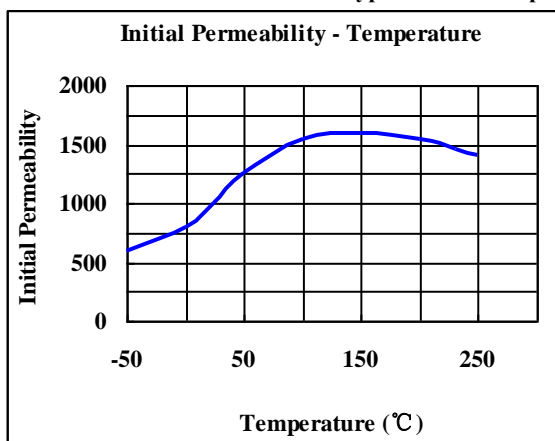
M75 材料特性曲线

M75 Material Characteristics Curve

| 特性 Characteristics 材质 Materials | 初始磁导率 Initial Permeability μ_i | 饱和磁感应强度 Saturation flux density Bs (mT) (H=1200A/m) | 剩磁 Residual Flux Density Br (mT) | 矫顽力 Coercive Hc (A/m) | 功耗 Power Loss (1MHz, 30mT) | | 居里温度 Curie Temperature Tc (°C) | 密度 Density d (g/cm ³) |
|--|--|--|--|--------------------------|------------------------------------|-------------------------------------|--------------------------------------|---|
| | | | | | Pcv(25°C) (mw/cm ³) | Pcv(100°C) (mw/cm ³) | | |
| | | | | | | | | |
| M75 | 1100 | 510 | 140 | 40 | 70 | 70 | >290 | 4.7 |

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)



材料特性一览表

MAGNETIC PROPERTIES OF MATERIALS

M79 材料特性曲线

M79 Material Characteristics Curve

| 特性 Characteristics 材质 Materials | 初始磁导率 Initial Permeability μ_i | 饱和磁感应强度 Saturation flux density Bs (mT) (H=1200A/m) | 剩磁 Residual Flux Density Br (mT) | 矫顽力 Coercive Hc (A/m) | 功耗 Power Loss (100K,200mT) | | 居里温度 Curie Temperature Tc (°C) | 密度 Density d (g/cm ³) |
|--|--|--|--|--------------------------|------------------------------------|-------------------------------------|--------------------------------------|---|
| | | | | | Pcv(25°C) (mw/cm ³) | Pcv(100°C) (mw/cm ³) | | |
| M79 | 3300 | 530 | 80 | 9 | 380 | 300 | >215 | 4.8 |

所列材料的特性为该材料的典型值，测定样环：T25×15×8(mm)

The value of material's characteristics is typical value. Sample core: T25×15×8(mm)

