



钴基非晶合金带材

Co-based amorphous microlite alloy ribbon

性能特点:

牌号: (CoNiFeSiB相当于美国牌号2714A)

具有高磁导率, 低矫顽力, 极低铁芯损耗, 和接近零的磁致伸缩系数, 对机械应力不敏感, 可以长期工作在恶劣环境中, 大大提高产品器件的稳定性和可靠性, 尤其适合军工产品应用。

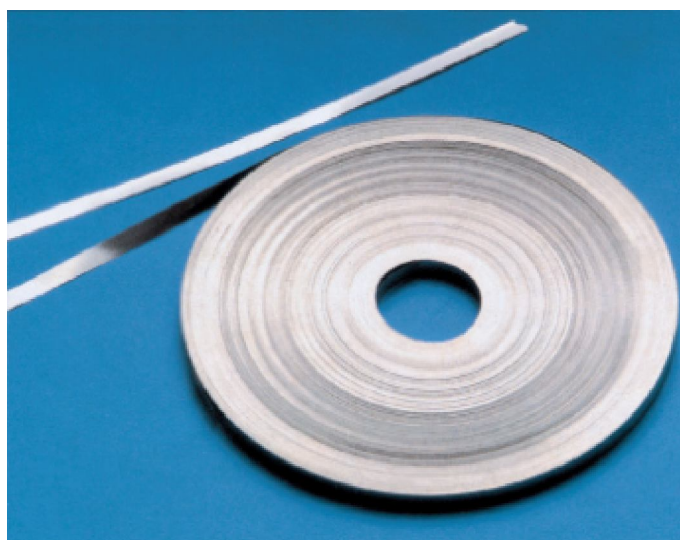
Performance characteristics:

Model: (CoNiFeSiB equal to American Model 2714A)

It has high permeability, low coercive force, extreme low core loss, and magnetostrictive coefficient approach to zero, is not sensitive to mechanical stress, may work in adverse circumstances for long time, greatly enhances the stability and reliability of product apparatus, and is especially suit for military product application.

应用领域:

- *磁放大器、尖峰抑制器铁芯
- *高频开关电源铁芯
- *磁屏蔽、传感器铁芯
- *超市及书店防盗系统标签等
- *共模、差模电感铁芯
- *恒导电感铁芯
- *电抗器、输出滤波及储能电感铁芯



Application fields:

- ◇ Iron core for magnetic amplifier and peak depressor
- ◇ Iron core for high-frequency switching power supply
- ◇ Iron core for magnetic shielding and sensor
- ◇ Supermarket and bookstore anti-theft system label etc
- ◇ Iron core for common mode and differential mode inductor
- ◇ Iron core for constant induction
- ◇ Iron core for reactor, output filter and energy storage induction

钴基非晶合金的物理性能

The physical property of cobalt-based amorphous microlite alloy

牌号 Model	饱和磁感 Bs (T) Saturated magnetic induction Bs(T)	居里温度 Tc (°C) Curic temperature Tc(°C)	晶化温度 Tx (°C) Crystallization temperature Tx(°C)	饱和磁致伸缩系数 λs Saturated magnetostrictive coefficient λs	硬度 Hv Hardness Hv	密度 ρ (g/cm ³) Density ρ (g/cm ³)	电阻率 Ω μ . cm Resistivity Ω μ . cm
HX-AM3	0.55	320	510	~0	960	7.8	130

钴基非晶合金带材

Co-based amorphous microlite alloy ribbon

钴基非晶合金的电磁性能: (纵向磁场退火)

The electromagnetism performance of cobalt-based amorphous microlite alloy: (vertical magnetic field annealing)

牌号 Model	初始磁导率 ui (Gs/Oe) Initial Permeability ui(Gs/Oe)	最大磁导率 um (Gs/Oe) Maximum Permeability um(Gs/Oe)	饱和磁感强度 Bs (T) Saturated induction density Bs(T)	矫顽力 Hc (A/m) Coercive force Hc(A/m)	剩余饱和磁感应强度 Br (T) Residual saturated magnetic inductance strength Br(T)	铁芯损耗 P (w/kg) 20K/0.5T Iron core loss P (w / k g) 20K/0.5T	铁芯损耗 P (w/kg) 100K/0.2T Iron core loss P (w / k g) 100K/0.2T
HX-AM3	≥8×10 ⁴	≥30×10 ⁴	0.55	<2.2	>0.5	<35	<85

钴基非晶合金带材规格:

The specification of cobalt-based amorphous microlite alloy ribbon:

牌号 Model	带材宽度mm Width of ribbon mm	带材厚度um Thickness of ribbon um
HX-AM3-003.2	3.2±0.2	28±5
HX-AM3-004.5	4.5±0.2	28±5
HX-AM3-005.0	5.0±0.2	28±5
HX-AM3-006.5	6.5±0.3	28±5
HX-AM3-008.0	8.0±0.3	28±5
HX-AM3-0010	10.0±0.5	28±5
HX-AM3-0012	12.0±0.5	28±5
HX-AM3-0015	15.0±0.5	28±5
HX-AM3-0020	20.0±0.5	28±5
HX-AM3-0025	25.0±0.5	28±5
HX-AM3-0030	30.0±0.5	28±5
HX-AM3-0035	35.0±0.5	28±5
HX-AM3-0040	40.0±0.5	28±5

△ 其它各种规格带材可根据客户订做 (2~80mm)

Other specifications of ribbon may be ordered according to requirements of clients (2~80 mm)