



坡莫合金带材 Permalloy ribbon

性能特点:

牌号: 相当于1J85和1J79 (PC-Ni-Fe) 系列具有很高的弱磁场下的磁导率和高稳定性能、高磁感应强度和较低的铁芯损耗, 加工非标产品制作方便, 是零序互感器铁芯和漏电开关铁芯常用产品。

Performance characteristics:

Model: equal to 1J85 and 1J79 (PC0Ni-Fe) series

It has high permeability under weak magnetic field, high stable performance, high magnetic induction density and low iron core loss, is convenient for processing non-standard products, and is commonly used by mutual induction iron core of zero sequence and electric leakage switch iron core.



典型牌号 (1J85) 物理特性及电磁特性

The physical characteristics and electromagnetism characteristics

牌号 Model	饱和磁感强度 Bs (T) Saturated induction density Bs(T)	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)	矫顽力 Hc (A/m) Coercive force Hc(A/m)	饱和磁致伸缩系数 λs Saturated magnetostrictive coefficient λs	居里温度 Tc (°C) Curie temperature Tc(°C)	占空系数 (%) Occupation efficiency (%)
1J85	0.75	6×10 ⁴	45×10 ⁴	<2.3	<2×10 ⁻⁶	400	90

典型性能指标: (V-A法) (f=50Hz N₁=N₂=1)

Typical performance index: (V-A method) (f=50HzN=N=1)

规格 ID/OD×H	输入电流 (mA) Input current (mA)	输出电压 (mV) Output voltage (mV)	规格 ID/OD×H	输入电流 (mA) Input current (mA)	输出电压 (mV) Output voltage (mV)
φ14/19×6.5	50mA	≥1.3mV	φ14/19×8	10mA	≥0.17mV
φ10.5/14.5×5	50mA	≥0.5mV	φ16/21×10	10mA	≥0.21mV
φ13/17.8×5	50mA	≥0.8mV	φ14/20×10	10mA	≥0.2mV
φ9.6/13.5×10	20mA	≥0.4mV	φ8/12×5	50mA	≥0.5mV

△ 其它各种规格铁芯可根据客户订做

Other specifications of iron cores may be ordered according to requirements of clients

电流互感器铁芯

Current mutual inductor iron core



铁芯的物理性能

The physical property of iron core

材质 Material	电阻率 Ω μ . cm Resistivity Ω μ . cm	居里温度 Tc (°C) Curie temperature Tc(°C)	饱和磁感强度 Bs (T) Saturated induction density Bs(T)	饱和磁致伸缩系数 λs Saturated magnetostrictive coefficient λs	占空系数 (%) Occupation efficiency (%)
HX-NC	130	570	1.25	2.7×10 ⁻⁶	~78

软磁合金的电气特性:

The electric characteristics of soft magnetic alloy

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)	矫顽力 Hc (A/m) Coercive force Hc(A/m)	做成互感器精度级别 Processed to precision level of mutual inductor
HX-NC	10×10 ⁴	60×10 ⁴	<1.6	0.2、0.2S和0.1

产品型号尺寸:

Product Type Dimension:

外径 (D) External diameter (D)	内径 (d) Inside diameter (d)	高度 (H) Height (H)
10~500mm	5~450mm	3.0~80mm

△ 其它规格可按照客户订做

Other specifications may be ordered according to requirements of clients