



开关电源铁芯

Iron core for switching power supply

纳米晶铁芯的规格尺寸:

The specifications and dimension of nano-microlite iron cores:

型号 Part NO	尺寸 (mm) ID/OD×H	平均磁路长度 L (cm) Average magnetic circuit length L (cm)	有效截面积 Se (cm ²) Available section coverage Se (cm ²)	重量 W (g) Weight W (g)
HX-NC	φ6/10×4.5	2.51	0.063	1.1
HX-NC	φ8/12×3	3.14	0.042	0.9
HX-NC	φ8/12×4.5	3.14	0.063	1.4
HX-NC	φ10/14×6.5	3.76	0.091	2.5
HX-NC	φ12/16×4.5	4.39	0.063	2.0
HX-NC	φ14/19×6.5	5.18	0.113	4.2

钴基非晶铁芯的规格尺寸:

Specifications and dimensions of cobalt-base non-crystalline iron core:

型号 Part NO	尺寸 (mm) ID/OD×H	平均磁路长度 L (cm) Average magnetic circuit length L (cm)	有效截面积 Se (cm ²) Available section coverage Se (cm ²)	重量 W (g) Weight W (g)
HX-AM3	φ6/10×4.5	2.51	0.068	1.3
HX-AM3	φ8/12×3	3.14	0.045	1.1
HX-AM3	φ8/12×4.5	3.14	0.068	1.6
HX-AM3	φ10/14×6.5	3.76	0.098	2.8
HX-AM3	φ12/16×4.5	4.39	0.068	2.2
HX-AM3	φ14/19×6.5	5.18	0.122	4.7

开关电源铁芯性能:

The performance of switching power supply iron core

型号 Part NO	Bs (T)	低Br Low Br		中Br Mid Br		高Br High Br	
		Br/Bs	P(w/kg)	Br/Bs	P(w/kg)	Br/Bs	P(w/kg)
铁基非晶 Fe-based amorphous microlite	1.55	≤0.2	400Hz/1.2T ≤1.3	≈0.6	400Hz/1.2T ≤1.8	≤0.9	400Hz/1.2T ≤2.0
钴基非晶 Cobalt-based amorphous microlite	0.65	≤0.2	100K/0.2T ≤60	≈0.6	100K/0.2T ≤75	≤0.9	100K/0.2T ≤95
纳米晶 Nano-microlite	1.25	≤0.2	100K/0.3T ≤120	≈0.6	100K/0.3T ≤150	≤0.85	100K/0.3T ≤280

△ 以上参数只供参考, 不能作为验收标准。

The above parameters are only for reference, and can not be treated as the acceptance standard.

非晶、纳米晶共模、差模电感铁芯

Amorphous microlite, nano-microlite common mode, differential mode induction iron core

共模电感铁芯

Common mode induction iron core

性能特点:

采用纳米晶制作, 具有高饱和磁感应强度、高磁导率、高电感量、低损耗、体积小、重量轻、频率特性优良, 特别适合电磁抗干扰(过EMI使用)。

The performance characteristics:

It is made by nano-microlite, has high saturated magnetic induction density, high permeability, high inductance parameters, high loss, small volume, low weight and excellent frequency characteristics, and is especially suitable for electromagnetism anti-jamming (EMI use)



铁芯规格及性能:

The specifications and performances of iron cores:

型号 Part NO	铁芯尺寸(mm) Iron core dimension (mm) ID/OD×H	单匝电感量(uH) Single ramp inductance parameter (uH)
HX-NC	φ8/12×4.5	>15
HX-NC	φ14/19×8	>30
HX-NC	φ16/26×10	>80
HX-NC	φ20/30×10	>40
HX-NC	φ25/40×15	>60

差模电感铁芯:

Differential mode induction iron core:

性能特点:

采用非晶合金制作, 具有优良的恒电感特性和抗叠加直流偏磁能力, 损耗低, 用于各种电感。(采用开口和无气隙铁芯)

Performance characteristics:

It is made by amorphous microlite alloy, has excellent constant induction characteristic and anti-superposition DC magnetic biasing capability, and low loss, and is suitable for various inductions. (Adopt opening and no-gap iron core)

铁芯规格及性能:

The specification and performance of iron core:

型号 Part NO	铁芯尺寸(mm) Iron core dimension (mm) ID/OD×H	开口气隙(mm) Opening gap (mm)	有效磁导率 μe (Gs/Oe) Available permeability μe(Gs/Oe)	恒电感范围 Constant induction scope
HX-AM1	φ10/14×6.5	0.4~1.0	100~600	0~800A/m
HX-AM1	φ12/16×10	0.4~1.0	100~600	0~800A/m
HX-AM1	φ15/24×10	1.0~2.0	100~600	0~800A/m
HX-AM1	φ16/25×10	1.0~2.0	100~600	0~800A/m
HX-AM1	φ20/30×10	2.0~3.0	100~600	0~800A/m
HX-AM1	φ11/18×8		800~1200	0~400A/m
HX-AM1	φ11/18×10		800~1200	0~400A/m