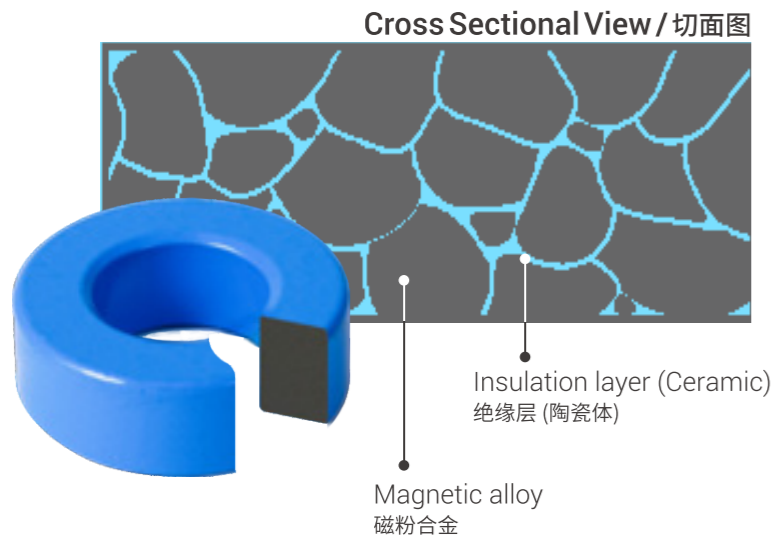


Distributed air gap
分布式气隙

Ignore coil Eddy-current loss
线圈涡流损耗可忽略不计



Inorganic binder
完全无机物粘合

No thermal aging effect
无热老化现象

Shapes / 形状

- Toroids : 0.5 inch to 5.0 inch
- Special : Block, Rhombus, Cylinder, EQ, SEP

Main Materials / 主要材料

- NPA CORE : Fe-Si alloy
- NPH-L CORE : Fe-Si alloy
- NPH CORE : Fe-Si alloy
- NPF CORE : Fe-Si alloy
- NPU CORE : Fe-Si alloy
- PPI CORE : Fe-Si alloy
- NPS CORE : Fe-Si-Al alloy

Permeability / 磁导率

- NPA : 19, 26, 60 μ
- NPH-L : 26, 60 μ
- NPH : 26, 60 μ
- NPF : 26, 40, 60, 75, 90 μ
- NPU : 75 μ
- PPI : 40, 60 μ
- NPS : 26, 60, 75, 90, 125 μ

Coating / 涂层

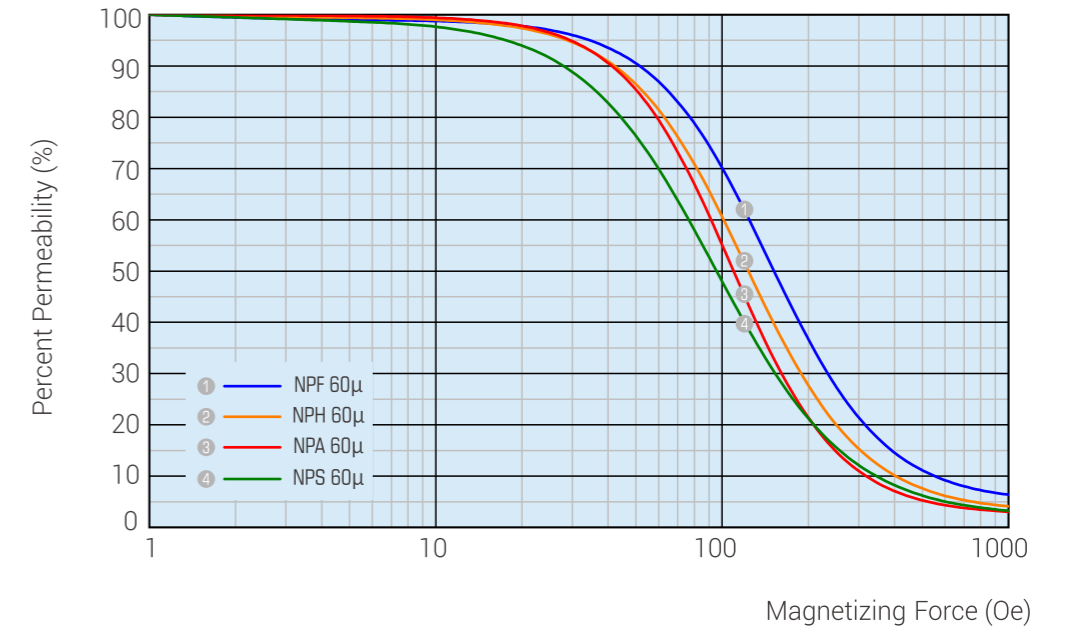
- Color - NPA / NPH-L / NPH / NPF : Blue
- Color - NPU / NPS : Black
- Color - PPI : Green

Breakdown Voltage
800V / 5mA / 3s(min.)

• Powder core materials comparison / 磁芯材料的比较

Materials		Permeability (μ)	Bs (Gauss)	Cross Loss	DC Bias	Relative Cost	Temperature Stabilization	Curie Temperature ($^{\circ}$ C)
POCO	Equal							
NPA	-	19,26-60	9500	Lowest	Good	High	Better	550
NPH-L	-	26-60	10,000	Lower	Good	Medium	Better	550
NPH	Amorphous	26,60	12,000	Low	Better	Medium	Better	600
NPF	Fe6.5Si	29-90	15,000	Ledium	Best	Low	Better	700
NPS	Sendust	26-125	10,000	Low	Good	Lower	Good	500
PPI	Iron	40,60	13,000	Ledium	Good	Lowest	Good	700
High Flux		14-160	15,000	Low	Best	Highest	Better	500
Silicon Steel 0.1mm (Gapped)		-	18,000	High	Best	Lowest	Good	740
Amorphous C Core (Gapped)		-	15,000	Low	Better	Higher	Good	600
Ferrite (Gapped)		-	4,500	Lowest	Poor	Lowest	Poor	100~300

• DC Bias Curves



• Core Loss (at 50kHz)

