

# 高频电抗器 (HER) High frequency Reactor

## 产品概述 (Product Introduction)

在现代电力电子设备中随着设备中功率及开关频率的不断提高，中高频大电流电抗器的需求和应用因此越来越多，结合我们的专有技术和行业经验，在此类电抗器的设计和制造中，我们通过磁芯和导体发热的合理选择，处理以及反复验算，保证了电抗器在高频大电流条件下的高性能运行。目前此类产品广泛应用于UPS和新能源等领域的变流器中。开关频率达40KHz

In modern power electronic equipment with the continuous improvement of equipment in the power and switching frequency and high frequency in large current reactor, so more and more application needs and, combined with our proprietary technology and industry experience, in this kind of reactor design and manufacturing, we through the core and the conductor heating reasonable choice, handling, and repeatedly check, ensure the reactor under the condition of high frequency large current high performance operation. At present this kind of products are widely used in UPS and inverter in the field of new energy and so on. Switching frequency of 40 KHZ

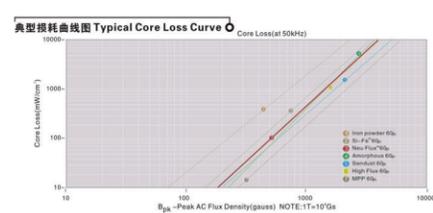
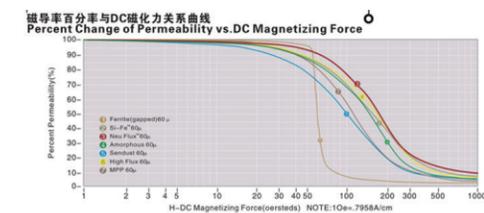
## 产品应用 (Product Application)

目前此类产品广泛应用于UPS, APF和新能源等领域的变流器中  
 电流范围 Current Range: 5-500A  
 电压范围 Voltage Range: 220V-1140V

## 软磁材料性能对照表 (Reference Table of Soft Magnetic Material Properties)

材料特性 Property	材料成份 Composition	铁心损耗 Core Loss (mW/cm <sup>3</sup> ) @1000Gs/50kHz	直流偏压 DC-Bias(%μo) @100 Oe	磁通密度 Flux Density (Sat.)	耐温 Curie Temp.	温度 稳定性 Temp Stability	颜色 代码 Color Code	相对成本 Relative cost
铁粉 Iron Powder	99%Fe	2000	40	12000Gs	750°C	Medium	Mix Color	0.3
铁硅铝 Sendust	85%Fe,9%Si,6%AL	300	45	10500Gs	600°C	Good	Black	1
硅铁 Si-Fe	94Fe,6%Si	750	70	16000Gs	700°C	Good	Blue	1.5
高磁通铁镍 High Flux	50%Fe,50%Ni	400	70	15000Gs	500°C	Better	Khaki	4
铁镍铝 MPP	17%Fe,81%Ni,2%Mo	280	50	7500Gs	400°C	Best	Gray	6
高温超导体 Amorphous Powder Cores	78%Fe,9%Si,13%B	420	68	15000Gs	400°C	Poor	-	3.5
铁硅镍 Neu Flux	85%Fe,15%Si-Ni	480	78	16000Gs	650°C	Better	Brown	2

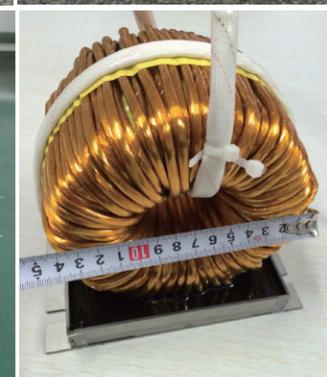
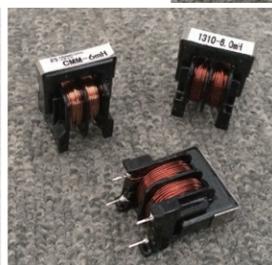
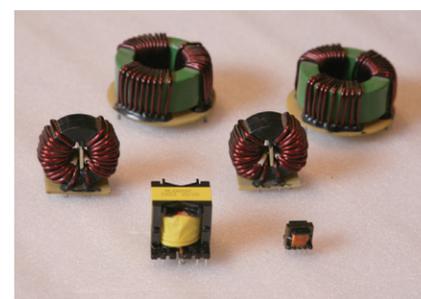
备注：其他规格尺寸，可根据用户要求制造。 Remark: Dimension can be customization



## 成品识别码 (Product Identification Code)

HER - 0080 - 0M54 - 0.4 SC

高频电抗器 High frequency reactor  
 额定电流 Rated Current 30A-1000A  
 电感量 Resistance Value M: mH U: uH  
 0.4 : voltage 0.4 380V 0.7 690V  
 D single phase reactor  
 S Three phase reactor  
 C Cu material  
 A Aluminum material



## 高频电感 High-frequency inductance

为您设计，制造专业的高频电感，详情请致电我们。

our designs and manufactures the most professional high-frequency inductors for you. For more details, please call us.