

Product Display

金属软磁粉芯产品 Magnetic Powder Cores



规格尺寸概括 Specifications



雕刻尺寸范围 size range by CNC 3000mm x 4000mm x 300mm
雕刻周期 lead time by CNC 7-15 days

T106~T400



I50/20/20 ~ 1100/40/20



EQ265 ~ EQ50.0



A15~AR75



铁硅铝粉芯材料特性

Characteristics of Metal Powder Core Material

铁硅铝 Sendust Cores (SS 系列 / SS Series)

铁硅铝磁粉芯由85%的铁、9.6%的硅、5.4%铝构成，主要是替代铁粉芯，损耗比铁粉芯低80%，可在50Hz~2MHz频率范围内使用；饱和磁通密度在1.05T左右；磁导率从20~125；磁滞回线系数接近零，在不同的频率下工作时无噪声产生，比MnZn有更高的Q值储能能力，具有最佳的性能价格比。主要应用于交流电感、输出电感、线路滤波器、功率因数校正电感等。

大型铁硅铝应用于大电流（功率）电感器、太阳能转换、UPS 不断电系统、混合动力汽车、风能转换和其他大电流场合，有时也替代气隙铁氧体作变压器铁芯使用。

The sendust core is typically composed of 85% Fe, 9.6% Si and 5.4% Al. It is mainly used to replace iron powder cores with 80% lower loss than that of the iron powder core. It can be used in the frequency range of 50Hz to 2MHz, the saturation magn...

铁硅 FeSi Cores (SK 系列 / SK Series)

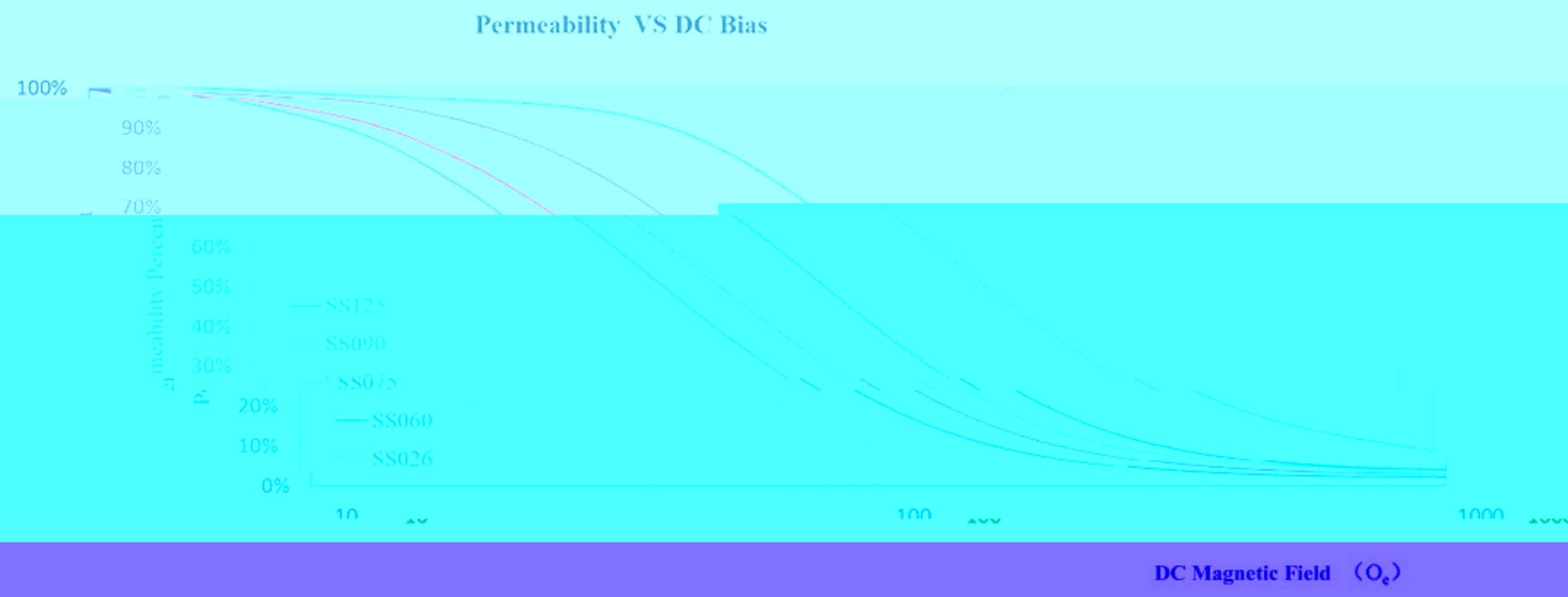
铁硅 SF Core Cores (SF 系列 / SF Series)

铁硅铝粉芯 Sendust	铁硅粉芯 FeSi	铁硅 SF 粉芯 FeSi SF	铁硅 SF 粉芯 FeSi SF
SS	SK	SF	SinoMag P/N
48%	73%	62%	μFeSi SF P/N
300	600	380	@1000e LI/L0
1.05	1.6	1.2	μe60 Core Loss
			@50kHz/100mT
			成本 Cost

铁硅铝 | Sendust

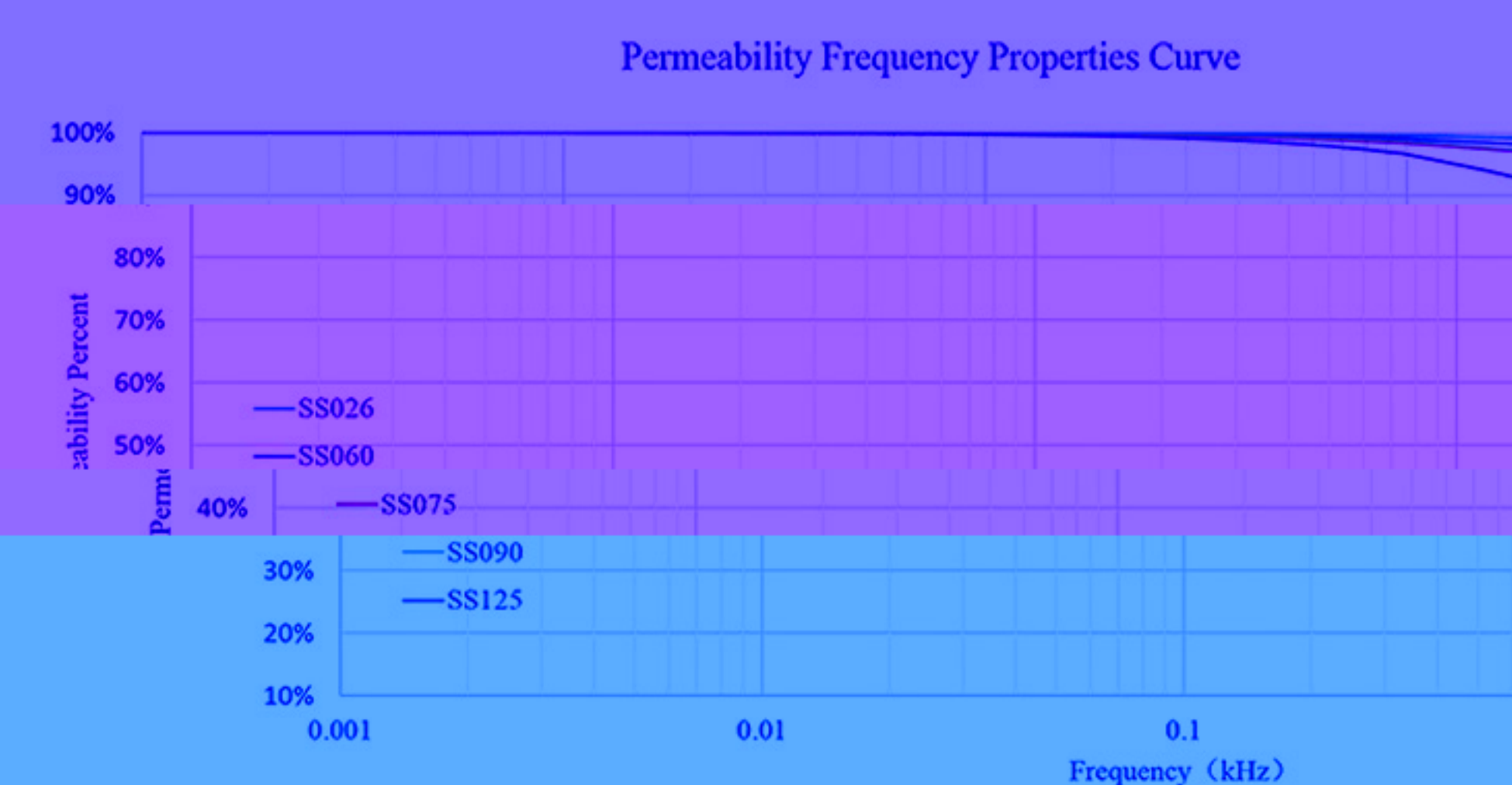
铁硅铝直流偏置曲线

DC Bias Properties of Sendust

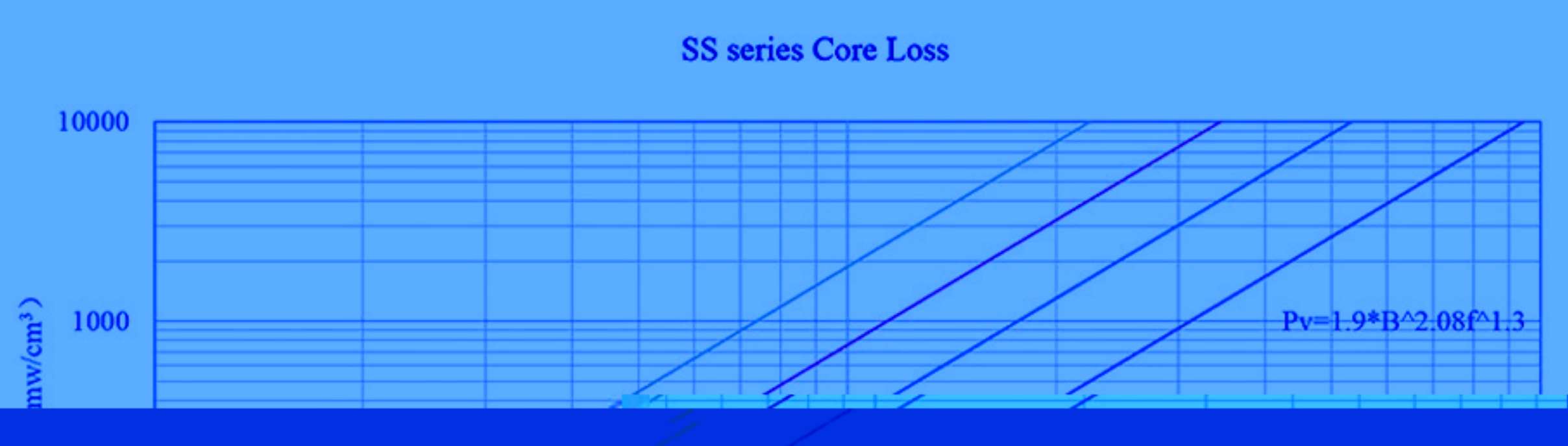


频率特性曲线

Permeability Frequency Properties Curve



损耗特性曲线 Core Loss

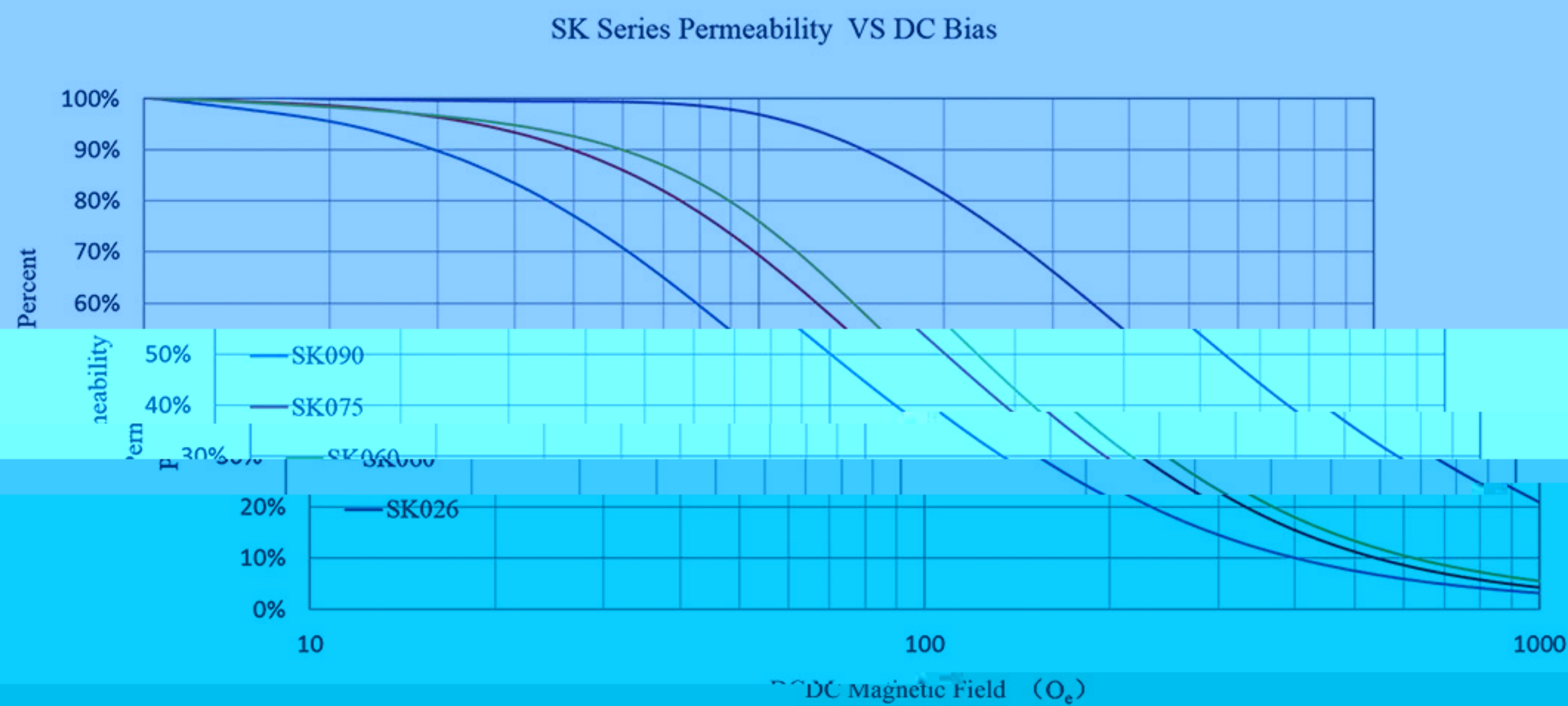


铁硅铝温度特性曲线

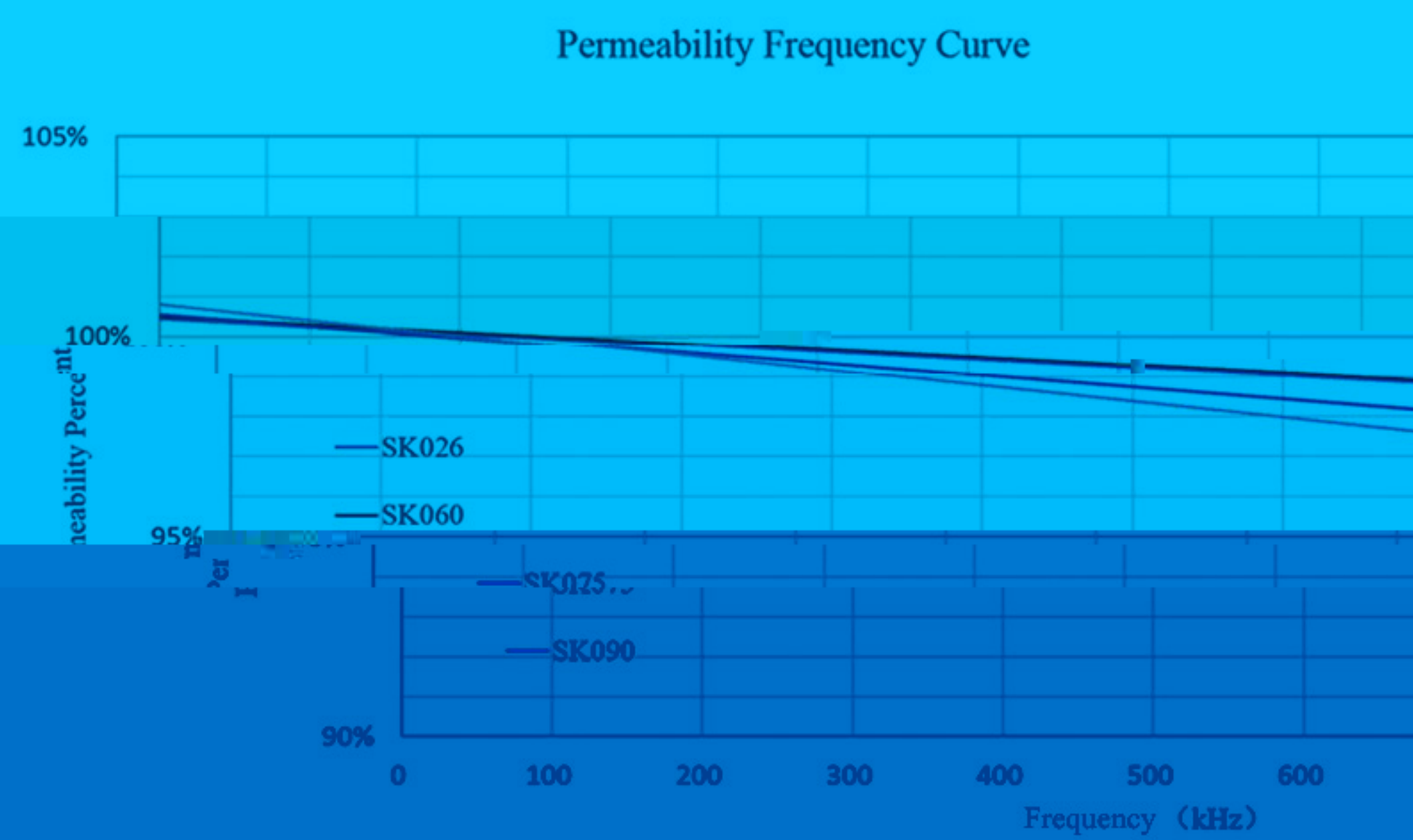


铁硅 | FeSi

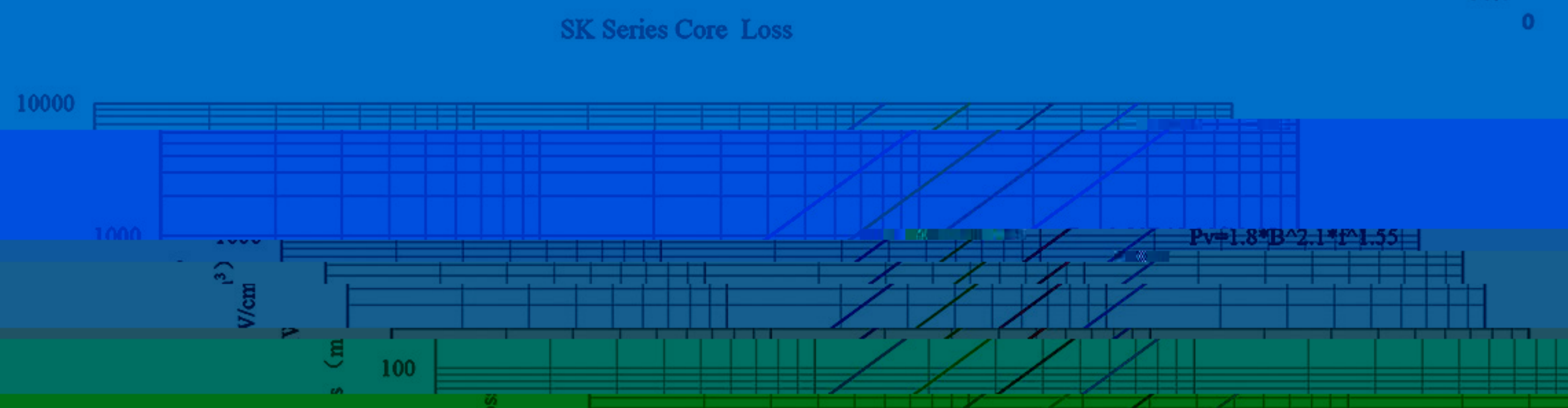
铁硅直流偏置曲线 DC Bias Properties Curve of FeSi



铁硅频率特性曲线 FeSi Frequency Properties Curve



磁芯损耗 Core Loss



铁硅磁滞曲线 FeSi Hysteresis Loop



铁硅温度特性曲线 FeSi Temperature Properties Curve

铁硅60μ-90μ 磁芯损耗曲线 Core Loss Properties Curve of FeSi 60μ-90μ

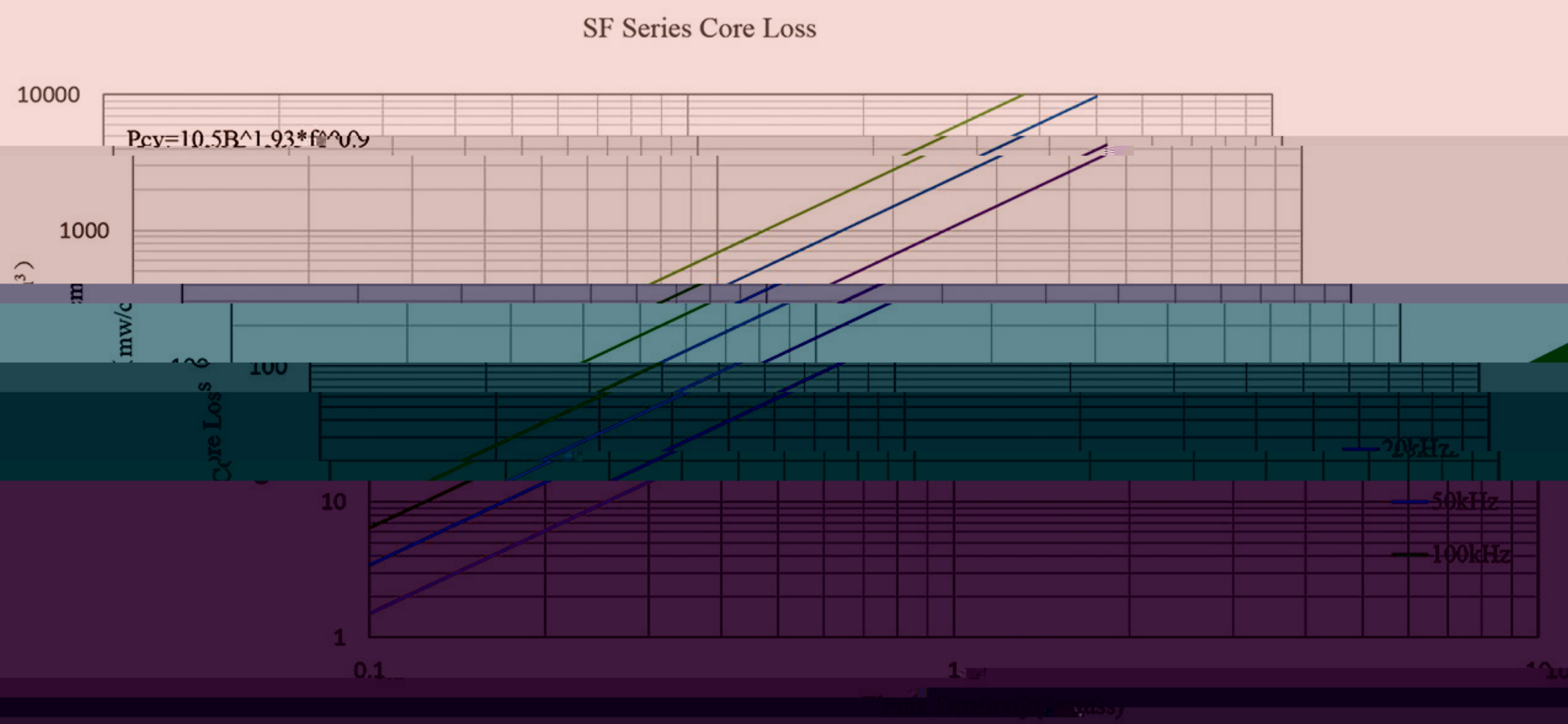


铁硅26μ 磁芯损耗曲线 FeSi 26μ Core Loss Properties Curve

铁硅26μ 磁芯损耗曲线 Core Loss Properties Curve of FeSi 26μ



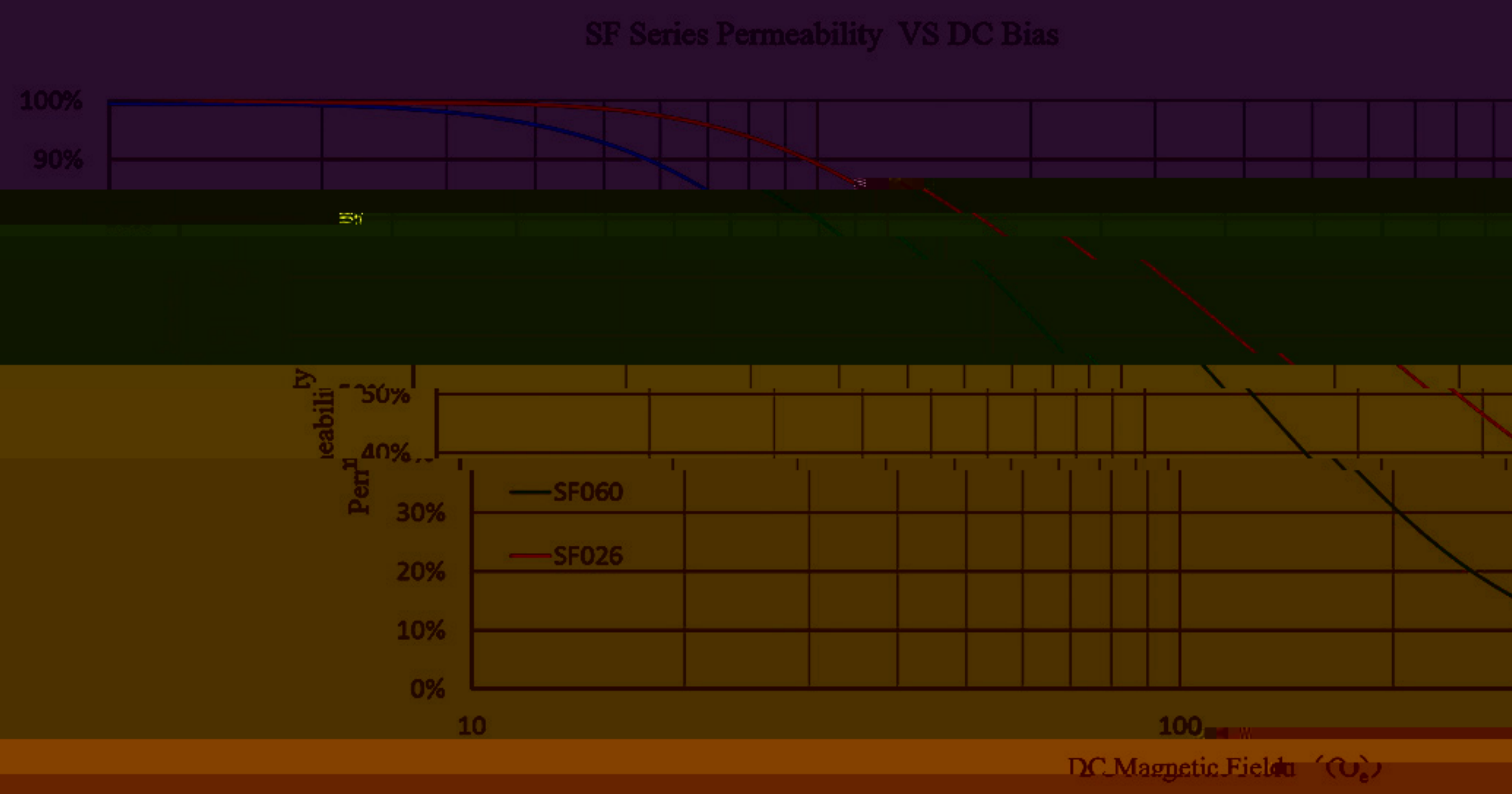
铁硅二代 | The second generation FeSi - SF Series



SF系列损耗特性曲线

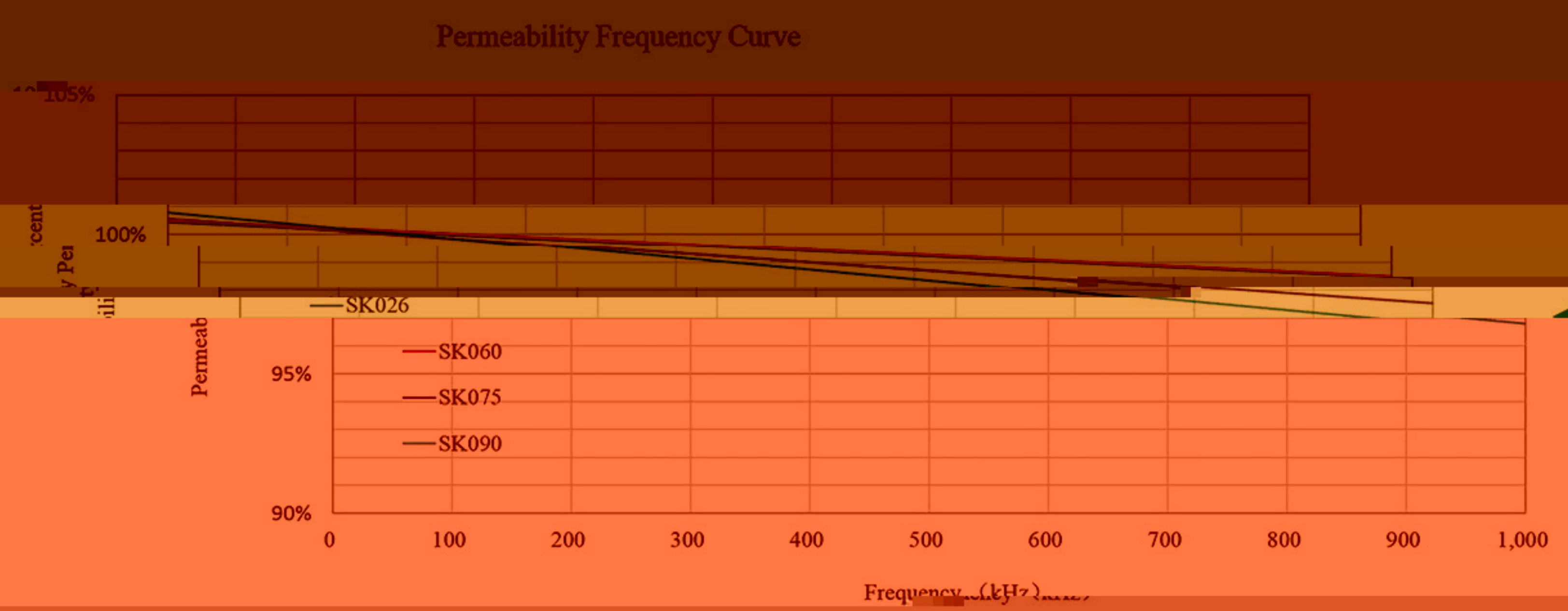
SF Series Core Loss

Properties Curve



SF Series DC Bias

Properties Curve



频率特性曲线

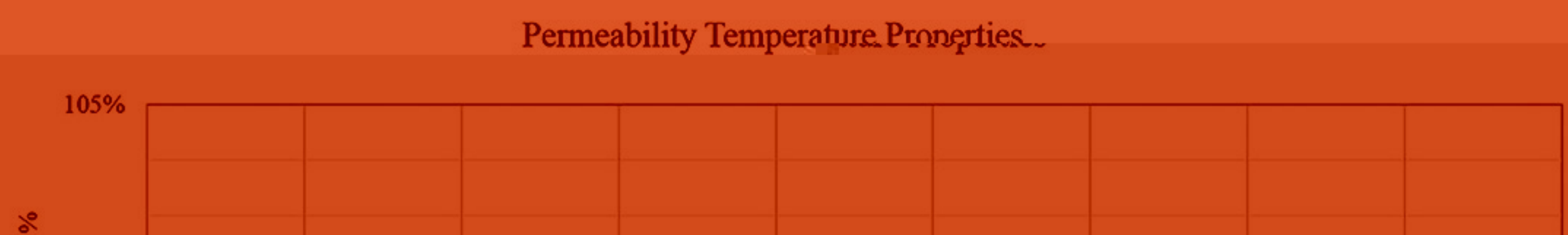
Frequency

Properties Curve

SF系列磁导

Frequency

Properties



Permeability Temperature Properties