

## LF7C 材料特性

### LF7C Material Characteristics

初始磁导率 $\mu_i$ initial permeability $\mu_i$	7500±25%	
饱和磁通密度 $B_s$ (mT) Saturation flux density 1194A/m	25°C	410
剩磁 $B_r$ (mT) Residual flux density	25°C	80
矫顽力 $H_c$ (A/m) Coercivity	25°C	6
比损耗 $\tan \delta / \mu_i$ (100kHz) $\times 10^{-6}$ Relative loss factor	25°C	30
居里温度 $T_c$ (°C) Curie temp.	>130°C	
电阻率 $\rho$ ( $\Omega \cdot m$ ) Resistivity	0.2	
密度 $d$ ( $kg/m^3 \times 10^3$ ) Density	4.9	

以上数据是根据标准样环 $\Phi 25 \times \Phi 15 \times 6$  获得典型数据，有关产品的具体性能会在此基础上有所调整。

The above typical data are calculated from the standard toroid core. The specific property of any parts will be adjusted a little based on these data.

### ▶ LF7C材料特点

- 较高磁导率（7500左右）。
- 较低损耗因子。
- 频率特性优良。

### ▶ LF7C MATERIAL CHARACTERISTICS

- High initial permeability(around 7500)
- Low relative loss factor
- The characteristics of initial permeability vs frequency is excellent

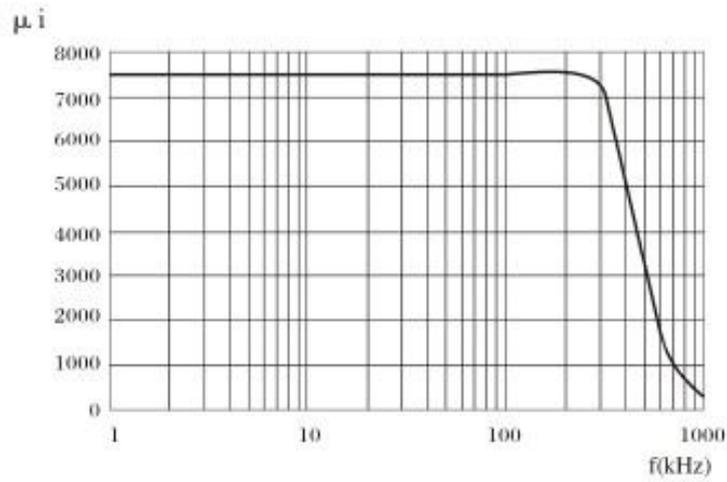


Fig1 Permeability vs. Frequency 磁导率随频率的变化

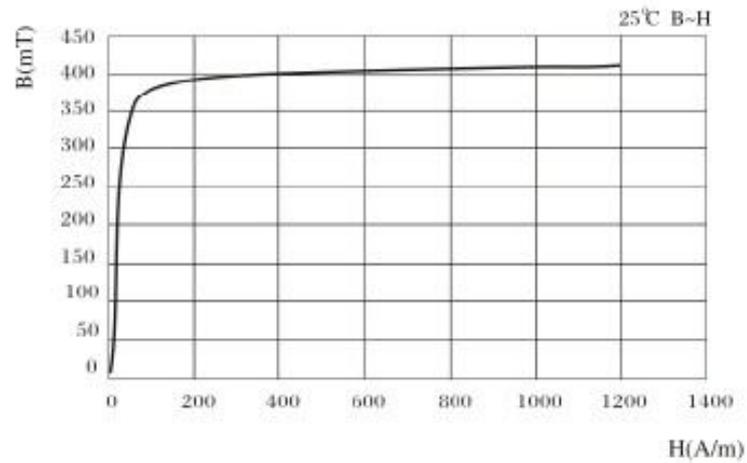


Fig.2 Magnetization Curves 磁化曲线