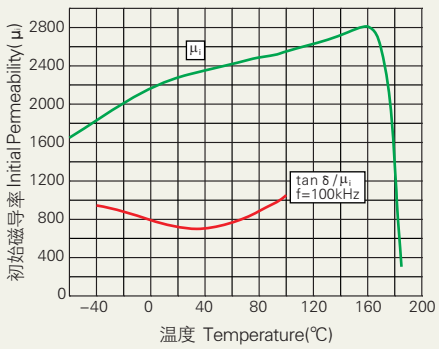
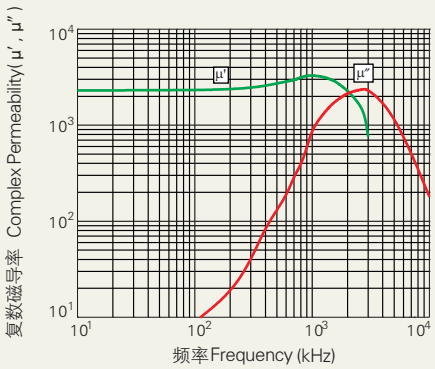
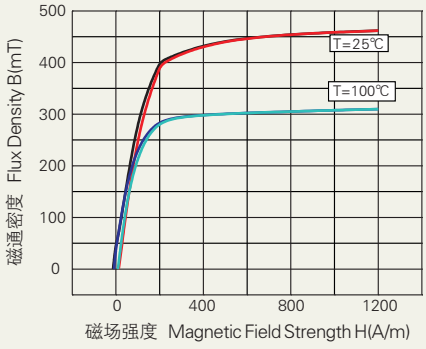
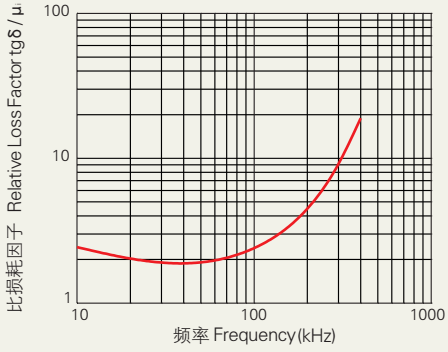
DMR70材料特性・DMR70 Material Characteristics

特性 SYMBOL	测试条件 CONDITIONS		典型值 VALUE
初始磁导率 μ_i Initial permeability	10kHz,B<0.25mT	25℃	2300±25%
饱和磁通密度Bs（mT） Saturation flux density	50Hz,1194A/m	25℃	420
		100℃	310
剩磁Br(mT) Residual flux density		25℃	60
		100℃	50
矫顽力Hc(A/m) Coercive force		25℃	15
		100℃	11
比损耗因子tan δ / μ_i Relative loss factor	10kHz	25℃	$<4\times10^{-6}$
	100kHz	25℃	$<6\times10^{-6}$
比温度系数 α μr（1/℃） Relative temperature coefficient	10kHz,B<0.25mT	5~25℃	$0.3\sim1.3\times10^{-6}$
		25~55℃	$0.3\sim1.3\times10^{-6}$
磁滞常数 η_B（/mT） Hysteresis material constant	10kHz,1.5~3mT	25℃	$<0.4\times10^{-6}$
居里温度Tc(℃) curie temperature	10kHz, B<0.25mT		>170
密度d（g/cm³） Density			4.8









以上数据是根据标准样环 φ25×φ15×8获得的典型数据，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. Specific performance of the product will be adjusted on this basis.