

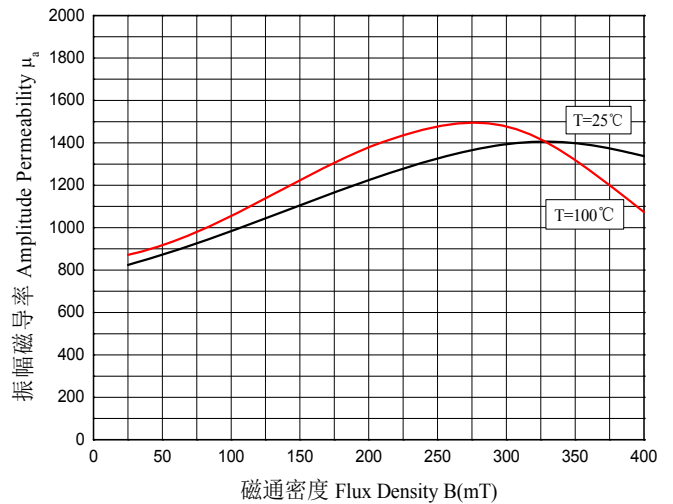
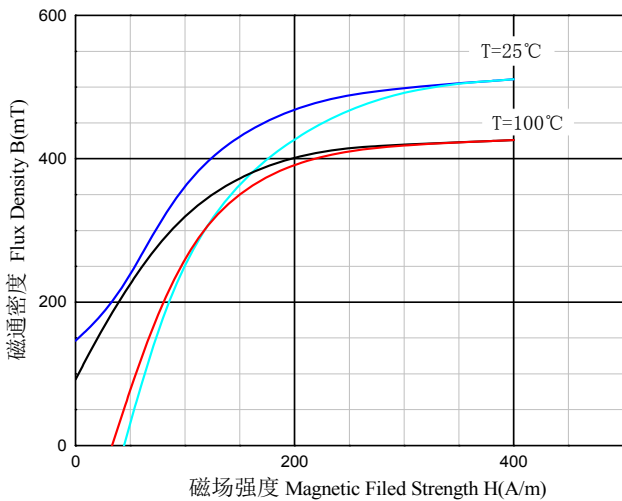
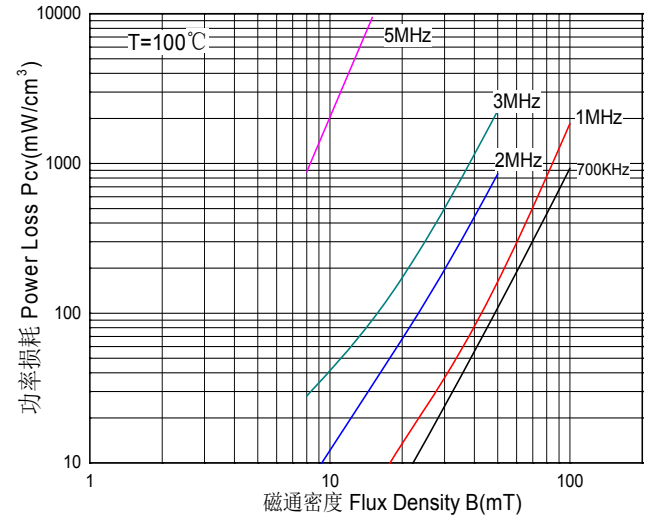
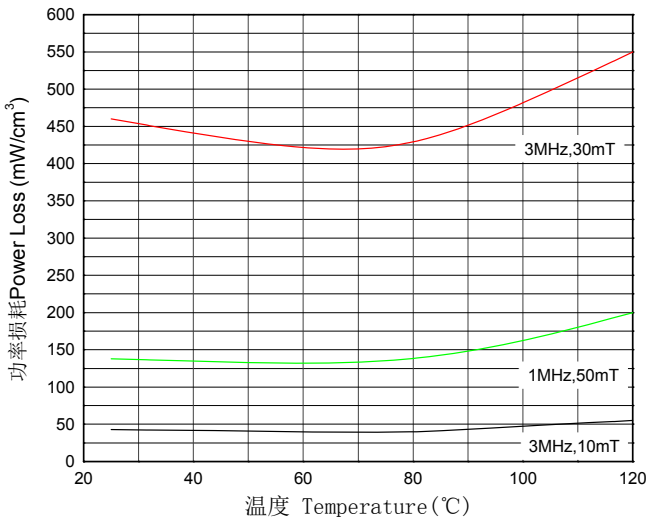
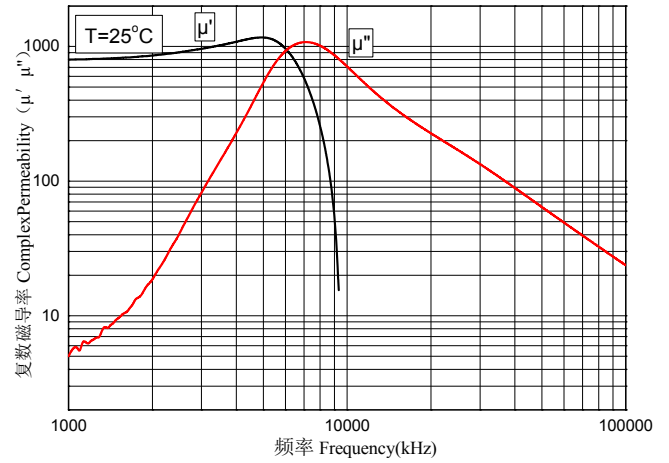
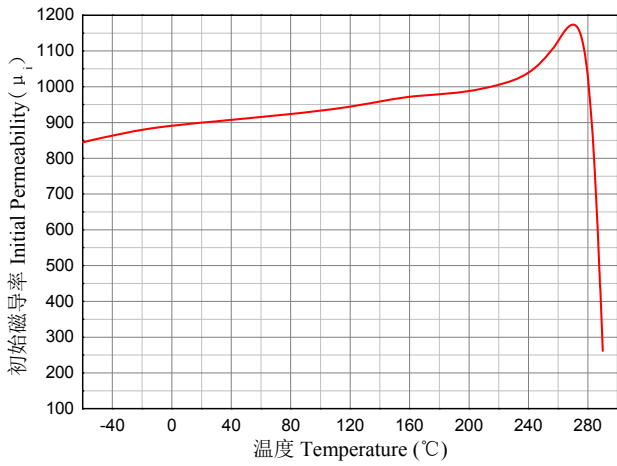
# DMR51W 材料特性

## DMR51W Material Characteristics

特性 SYMBOL	测试条件 CONDITIONS		典型值 VALUE
初始磁导率 $\mu_i$ Initial Permeability	10kHz, B<0.25mT	25℃	900±20%
饱和磁感应强度 $B_s$ (mT) Saturation magnetic flux density	50Hz, H=1194A/m	25℃	500
		100℃	430
矫顽力 $H_c$ (A/m) Coercive force	50Hz, H=1194A/m	25℃	45
		100℃	38
使用频率段 (kHz) Optimum frequency			500~5000
磁滞常数 $\eta_B$ (/mT) Hysteresis material constant	10kHz, 1.5~3.0mT	25℃	$<0.4 \times 10^{-6}$
功耗 $P_v$ (mW/cm <sup>3</sup> ) Power loss	1MHz, 50mT	25℃	150
		60℃	150
		100℃	160
居里温度 $T_c$ (℃) Curie Temperature	f=10kHz, B<0.25mT		290
密度 $d$ (g/cm <sup>3</sup> ) Density		25℃	4.8



DMR51W-REV.B



以上数据是根据标准样环  $\phi 20 \times \phi 10 \times 5$  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。注: 损耗测试仪器为 SY8218 ( $N_1=N_2=3T_s$ )

The above typical data are calculated from the standard toroid core. Specific performance of the product will be adjusted on this basis.. Note: The Core loss instrument type: SY8218, ( $N_1=N_2=3T_s$ )

Date 2014-07