

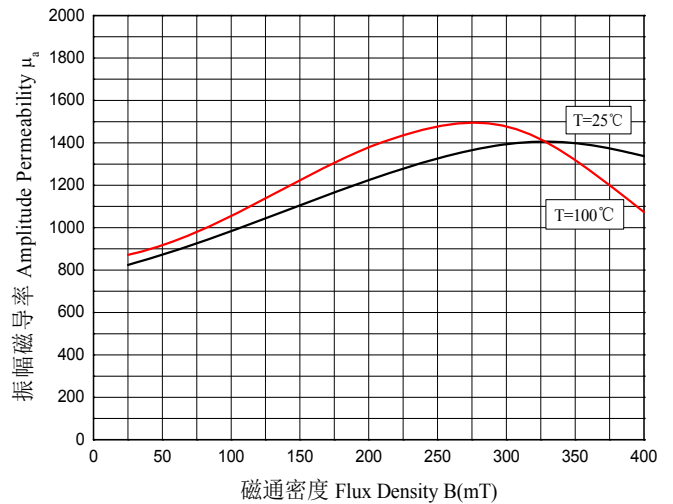
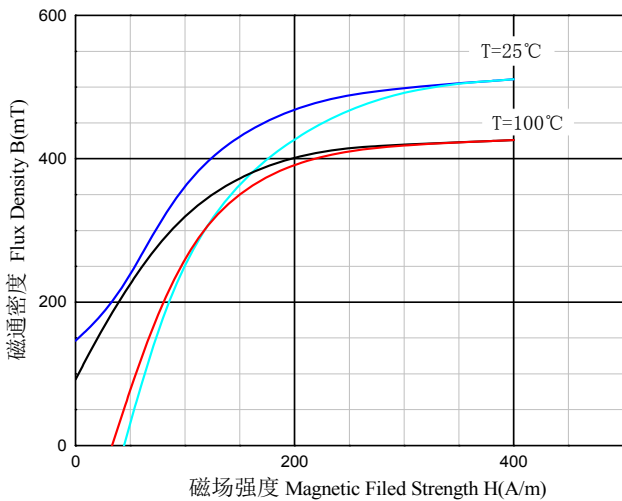
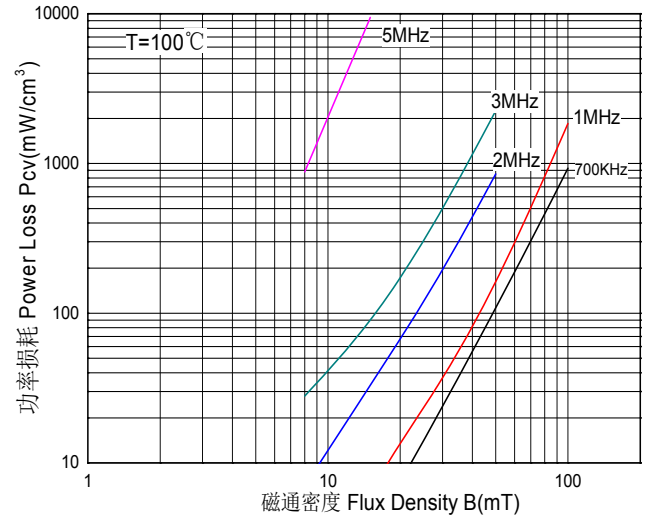
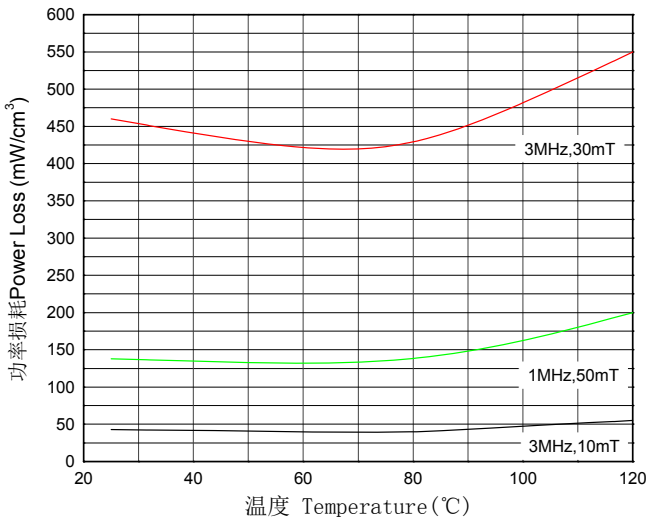
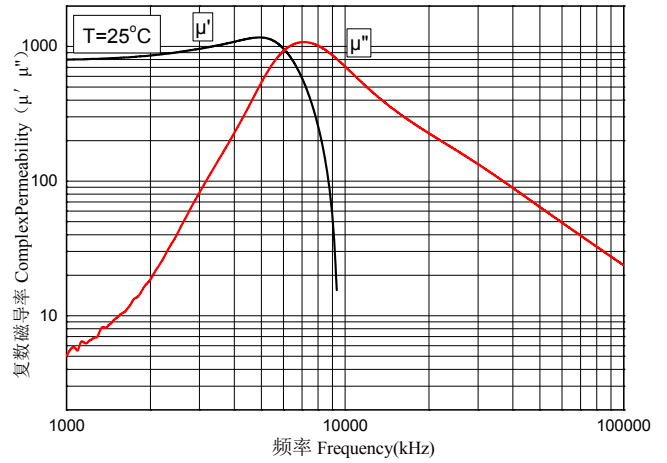
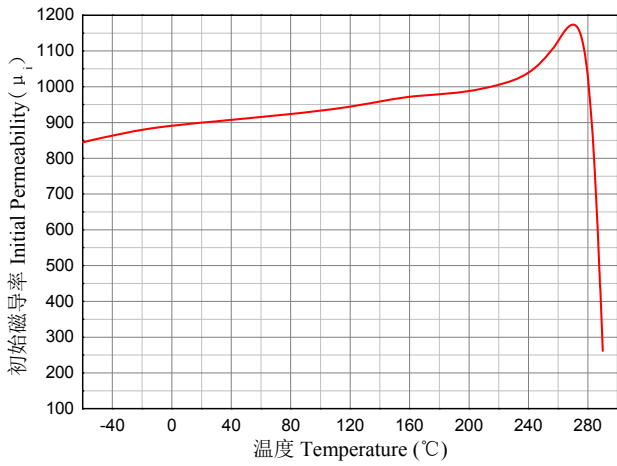
DMR51W 材料特性

DMR51W Material Characteristics

特性 SYMBOL	测试条件 CONDITIONS		典型值 VALUE
初始磁导率 μ_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 η_B (/ mT) Hysteresis material constant	10kHz, 1.5~3.0mT	25℃	$<0.4 \times 10^{-6}$
功耗 P_v (mW/cm ³) 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 ³) 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