

高Bs, 高磁导率铁氧体材料TD5A与TD3

High Bs, High Initial Permeability Ferrite Material TD5A & TD3



特点/Features:

1. 高饱和磁通密度 (Bs) /High Saturation Magnetic Flux Density
2. 较高的磁导率/High Initial Permeability
3. 低功率损耗/Low Core Loss

应用/Application:

1. 100base-T、xDSL 调制解调器等网络器件。(TD5A)
100base-T、xDSL modem etc.(TD5A)
2. 要求高磁导率, 高直流叠加的器件
The Components Which Need High Initial Permeability And DC-Bias

标准形状/Typical Shape:

T, EP, EPX, EOP, RM

基本特性/Typical characteristics:

特性 Characteristics	测试条件 Measuring Conditions	单位 Unit	TD5A	TD3
起始磁导率 μ_i Initial Permeability	10KHz 25°C H < 0.08A/m	/	4500 ± 25%	3200 ± 25%
比损耗因子 $\tan \delta/\mu_i$ Relative loss factor	10KHz	10 ⁻⁶	3.5	3
	100KHz		5	4.5
饱和磁通密度Bs Saturation Flux Density	H=1194A/m	25°C	500	490
		100°C	390	390
功率损耗Pcv Core Loss	100KHz 200mT	25°C	600	380
		100°C	800	660
电阻率 ρ Resistivity	/	$\Omega \cdot m$	1	1
居里温度Tc Curie Temperature	/	°C	≥ 185	≥ 200
密度d Density	/	kg/m ³	4.85 × 10 ³	4.8 × 10 ³



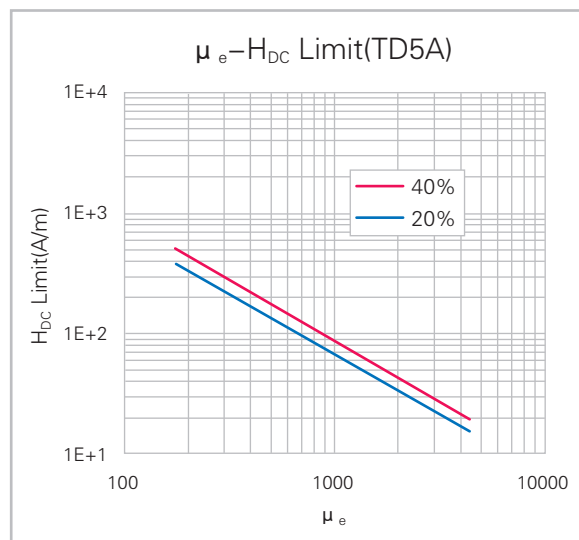
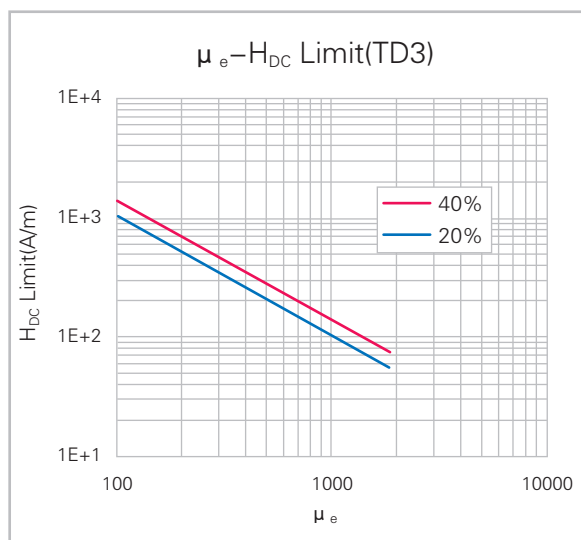
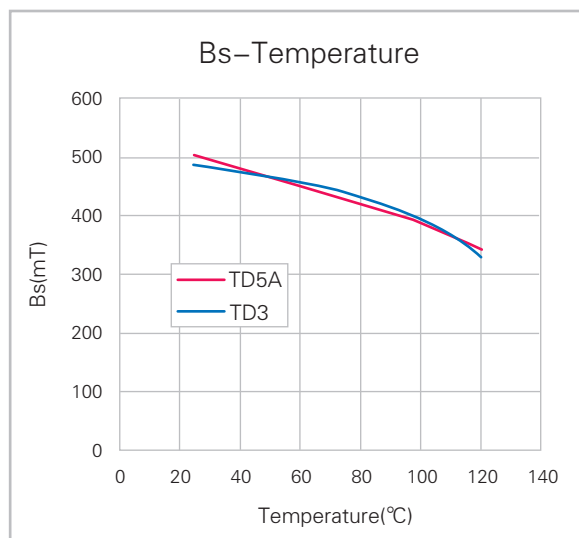
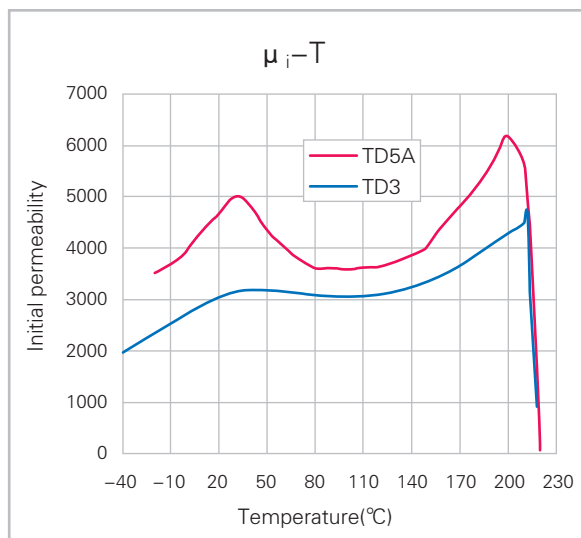
所列材料的特性为该材料的典型值, 测定样环: T31 × 19 × 6

The value of material's characteristics are typical value. Sample core: T31 × 19 × 6

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主要特性图表/Main characteristics graph:



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