

参数(Parameter)	符号(Symbol)	单位(Uint)	测试条件(Condition)			FB451
			Freq.	Fluxden.	Temp.	
初始磁导率 (Initial lPermeability)	μ_i	/	100kHz	100mV	23°C	450±25%
饱和磁通密度 (Saturation Flux Density)	B_s	mT	50Hz	4000A/m	23°C	440
					100°C	360
相对损失系数 (Relative loss factor)	$\tan\delta/\mu_i$	$\times 10^{-6}$	100kHz		23°C	50
相对温度系数 (Relative temperature factor)	$\alpha_{\mu ir}$	$\times 10^{-6}$	100kHz		20 ~ 60°C	20
单位体积磁芯损失 (Core loss volume density)	P_{cv}	KW/m ³	50kHz	150mT	23°C	850
					100°C	700
居里温度 (Curie Temperature)	T_c	°C				240
电阻率 (Electrical Resistivity)	ρ	$\Omega \cdot m$				10^6
密度 (Density)	d	g/cm ³				5.1

说明以上性能采用 $\varnothing 12.7 \times \varnothing 7.9 \times 2.5$ 磁环，在不加外力的情况下测试，不同产品在特性表现上略有差异。

Note: Measured on sintered, non-ground ring cores of dimensions $\varnothing 12.7 \times \varnothing 7.9 \times 2.5$ which are not subjected to external stresses. Product specification will differ from these data due to the influence of geometry and size.

