



SMD铁粉芯 · MATERIAL CHARACTERISTICS

特性 Characteristics	单位 Unit	参数 Parameter
参考导磁率 Reference Permeability	--	35
饱和磁通密度 Bs Saturation Magnetic Flux Density	(mT)	800~1000
居里温度 Curie Temperature	(°c)	>400
温度系数 Temperature Coefficient(-50°~125°c)	10 ⁻⁶ /°c	≈ 350
密度 Density	(g/cm ³)	6.5
温度范围 Temperature Range	°c	-50~125
磁心损耗 Core Loss	mw/cm ³	450@50kHz,50mT

SMD铁粉芯材料特点 ·

小的安装体积；
高的储能能力；
优良的频率特性，工作频率可以到达100kHz以上；
优良的叠加特性，高饱和电流。

Features ·

Smaller size;
Higher energy storage capability;
Excellent frequency characteristic up to 100kHz;
Excellent DC bias characteristic and high saturation current.



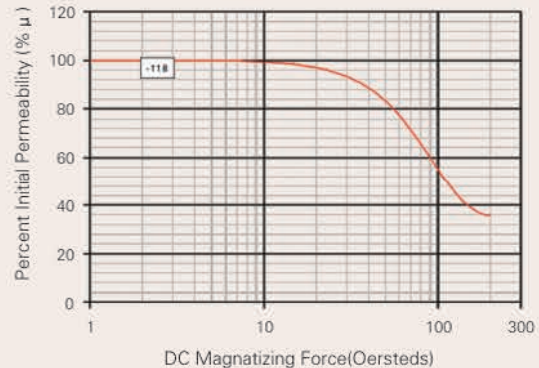
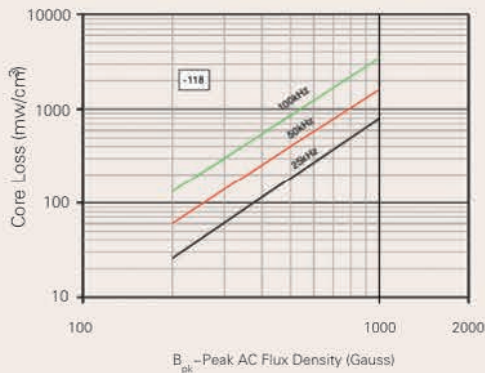
SMD铁粉芯产品主要用途 ·

用于笔记本电脑及掌上电脑；
用于电源系统中的DC/DC变换器；
高频电感器，扼流圈；
其它有关电子线路。

Main application ·

Notebook PC and palmtop computer;
Power supply DC/DC convertor;
High frequency inductor and choke;
Other related electronic circuit.

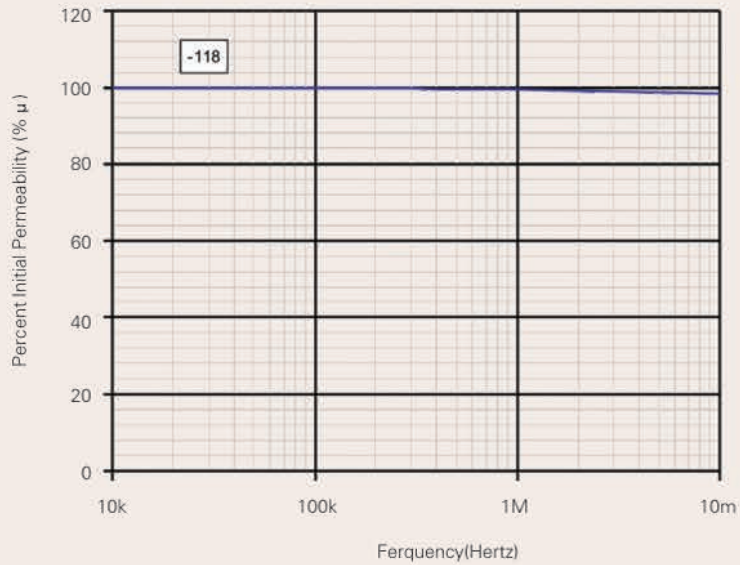
Material Characteristics Curves



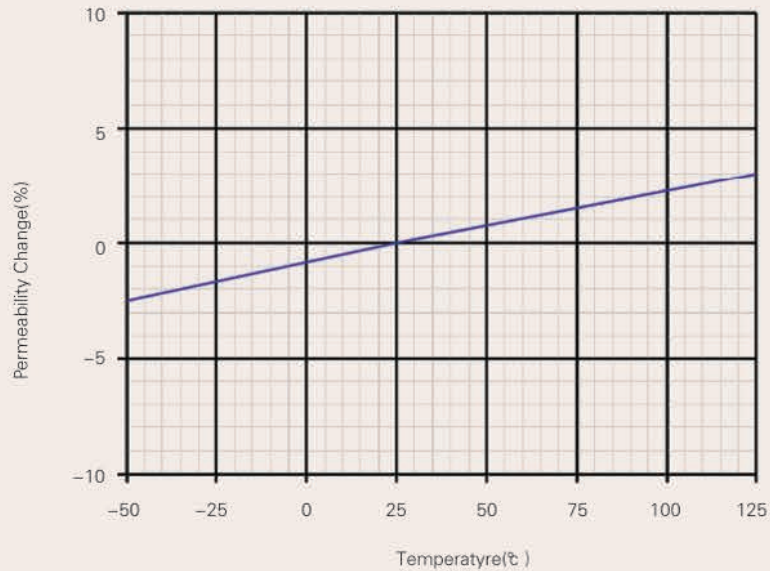
The material characteristics shown above is typical curve, for designers' reference only



-118 Frequency Curve



118 Material Temperature Curve



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SMD Core Shapes

