

Device Modeling Report

COMPONENTS:MAGNETIC CORE
PART NUMBER:6H10
MANUFACTURER:FDK



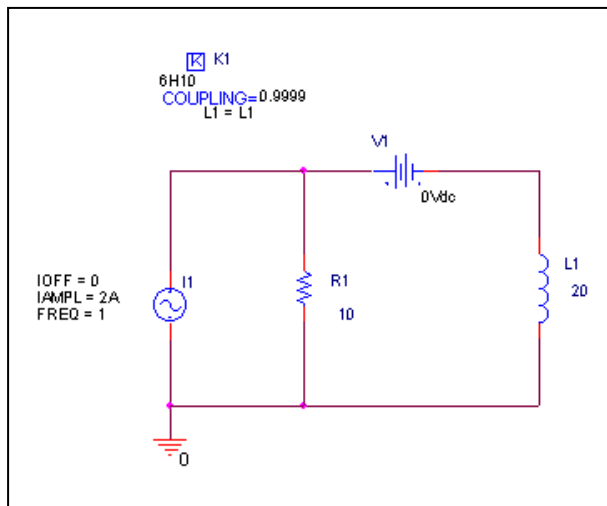
Bee Technologies Inc.

MAGNETIC CORE

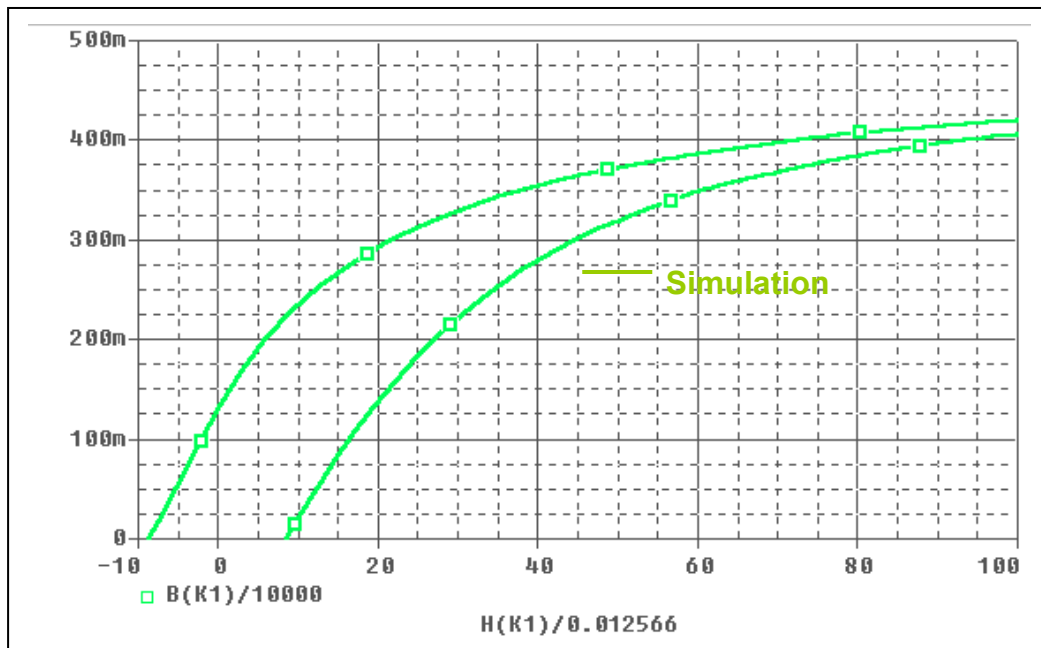
Pspice model parameter	Model description
A	thermal energy parameter
K	domain anisotropy parameter
C	domain flexing parameter
MS	magnetization saturation

Hysteresis Curve Characteristics

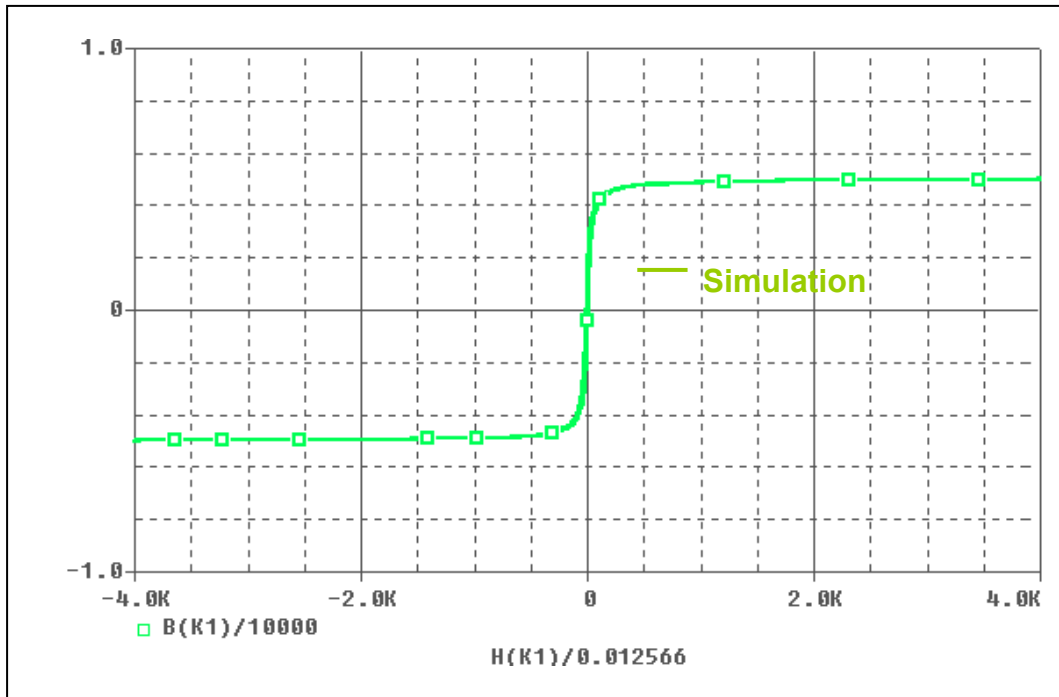
Evaluation Circuit



Simulation result



Simulation result



Comparison Table

H(A/m)	B(mT) Measurement	B(mT) Simulation	%Error
40	350	352.799	0.800
50	380	371.693	2.186
60	400	386.259	3.435
70	405	397.164	1.935
80	410	406.678	0.810
90	415	413.876	0.271
100	415	420.918	1.426
20	130	136.525	5.019
50	310	319.243	2.982
60	350	347.359	0.755
70	375	368.064	1.850
80	395	383.704	2.860
90	400	396.023	0.994
100	415	405.726	2.235