

Device Modeling Report

COMPONENTS: MAGNETIC CORE
PART NUMBER: 3E26
MANUFACTURER: FERROX CUBE



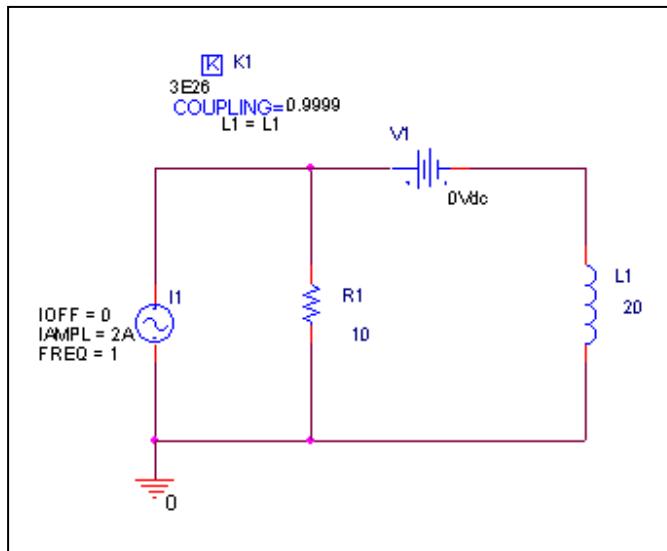
Bee Technologies Inc.

MAGNETIC CORE

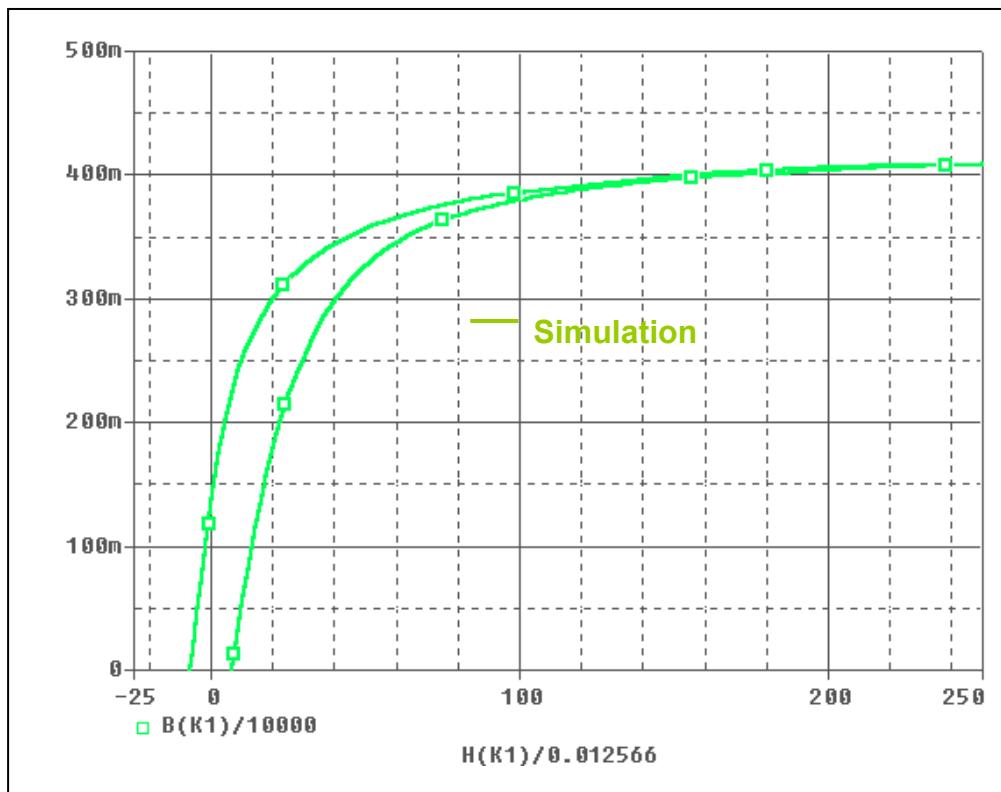
Pspice model parameter	Model description
A	thermal energy parameter
K	domain anisotropy parameter
C	domain flexing parameter
MS	magnetization saturation

Hysteresis Curve Characteristics

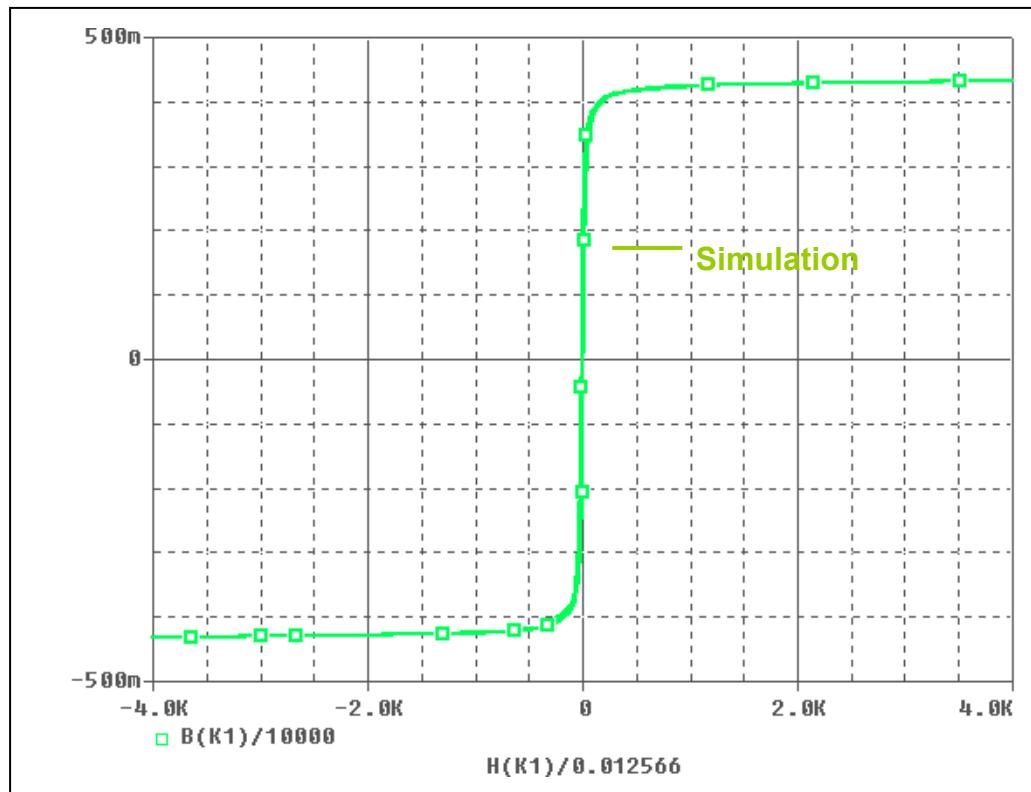
Evaluation Circuit



Simulation result



Simulation result



Comparison Table

H(A/m)	B(mT) Measurement	B(mT) Simulation	%Error
25	305	314.566	3.136
50	360	356.861	0.872
75	375	375.851	0.227
100	395	385.783	2.333
125	398	392.319	1.427
150	400	398.856	0.286
200	405	405.829	0.205
250	405	409.089	1.010
50	345	326.435	5.381
75	360	362.927	0.813
100	375	379.779	1.274
125	393	389.485	0.894
150	398	395.984	0.507
200	405	404.004	0.246
250	405	408.857	0.952