

Device Modeling Report

COMPONENTS:MAGNETIC CORE
PART NUMBER:4D2
MANUFACTURER:FERROXCUBE



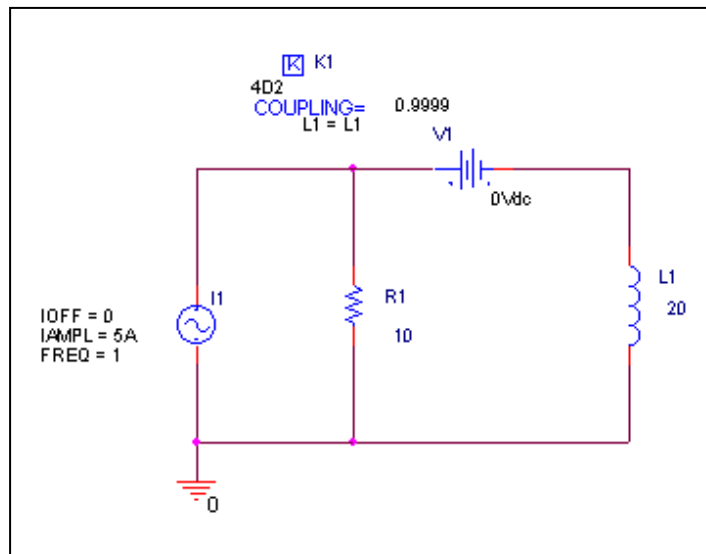
Bee Technologies Inc.

MAGNETIC CORE

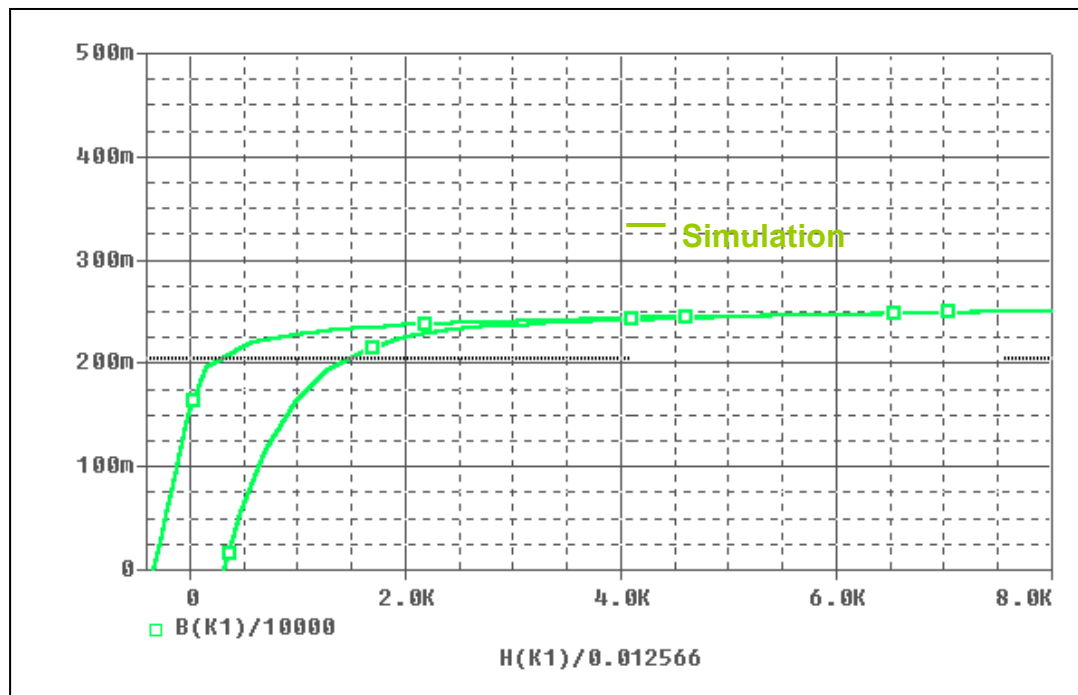
Pspice model parameter	Model description
A	thermal energy parameter
K	domain anisotropy parameter
C	domain flexing parameter
MS	magnetization saturation

Hysteresis Curve Characteristics

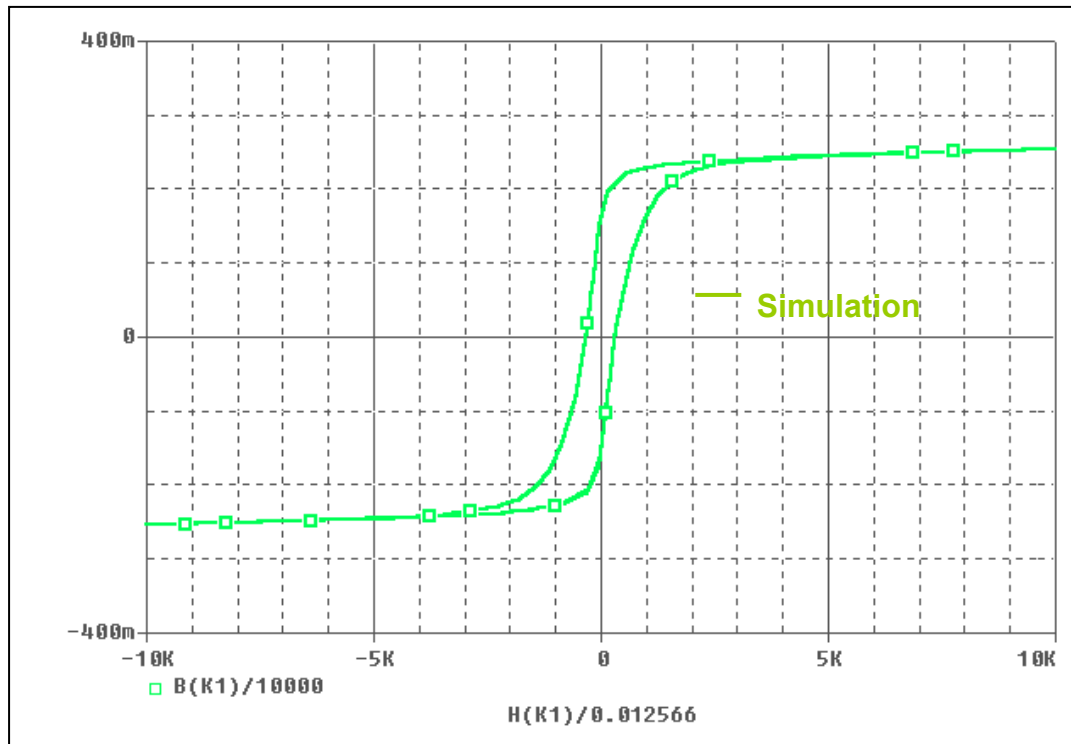
Evaluation Circuit



Simulation result



Simulation result



Comparison Table

H(A/m)	B(mT) Measurement	B(mT) Simulation	%Error
400	220	210.459	4.337
800	235	224.35	4.532
2080	246	236.946	3.680
3360	248	241.714	2.535
4000	248	243.399	1.855
5280	249	246.174	1.135
6560	250	248.51	0.596
8000	250	250.874	0.350
2080	220	225.905	2.684
3360	235	239.235	1.802
4000	240	241.893	0.789
5280	246	245.403	0.243
6560	250	248.027	0.789
8000	250	250.556	0.222