

Device Modeling Report

COMPONENTS:MAGNETIC CORE
PART NUMBER:H5C2
MANUFACTURER:TDK



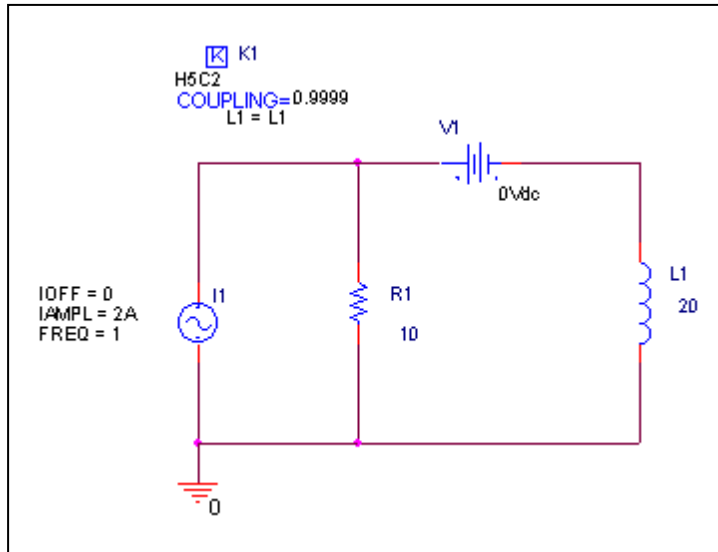
Bee Technologies Inc.

MAGNETIC CORE

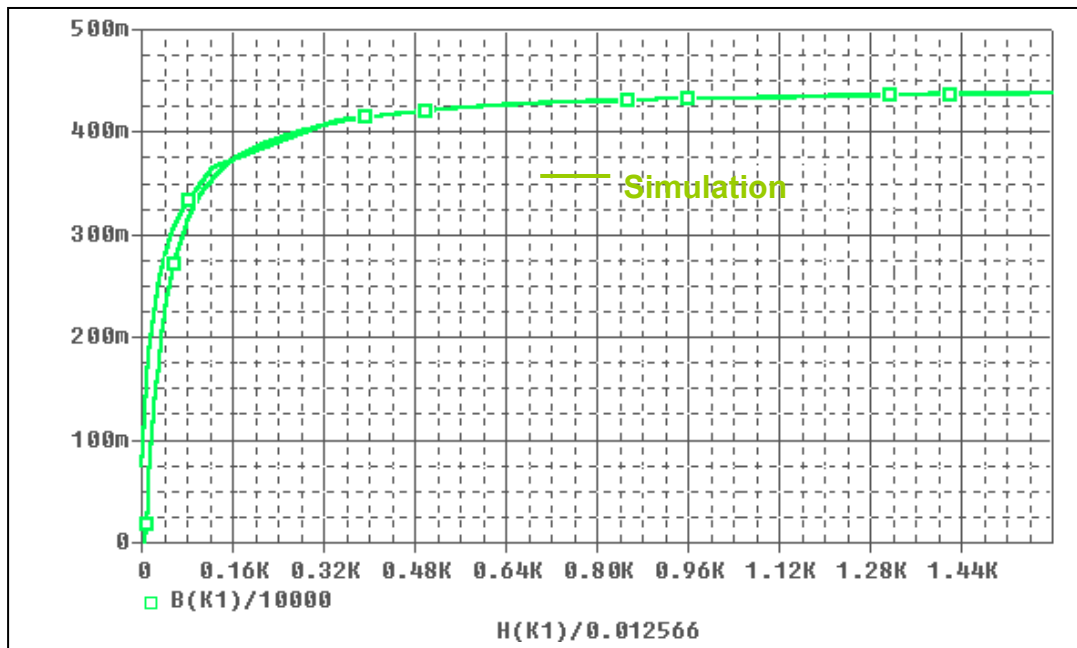
Pspice model parameter	Model description
A	thermal energy parameter
K	domain anisotropy parameter
C	domain flexing parameter
MS	magnetization saturation

Hysteresis Curve Characteristics

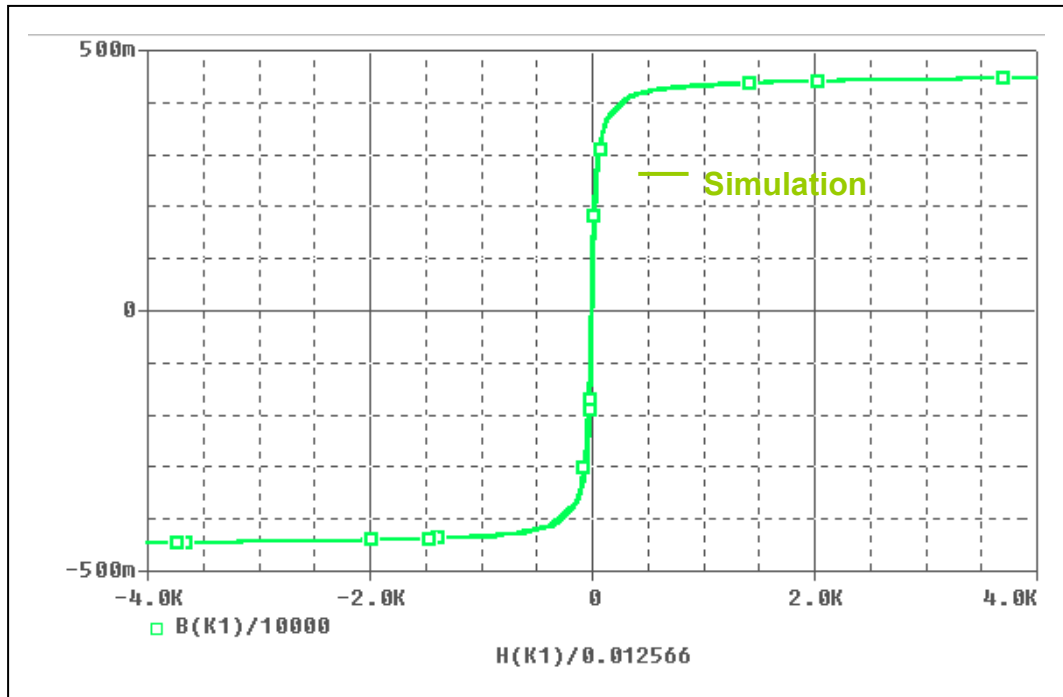
Evaluation Circuit



Simulation result



Simulation result



Comparison Table

H(A/m)	B(mT) Measurement	B(mT) Simulation	%Error
80	320	332.043	3.763
160	375	372.646	0.628
320	420	406.22	3.281
480	425	418.695	1.484
640	428	426.07	0.451
800	430	430.001	0.000
960	430	432.711	0.630
1120	430	434.842	1.126