Device Modeling Report

COMPONENTS:MAGNETIC CORE
PART NUMBER:HP5
MANUFACTURER:TDK

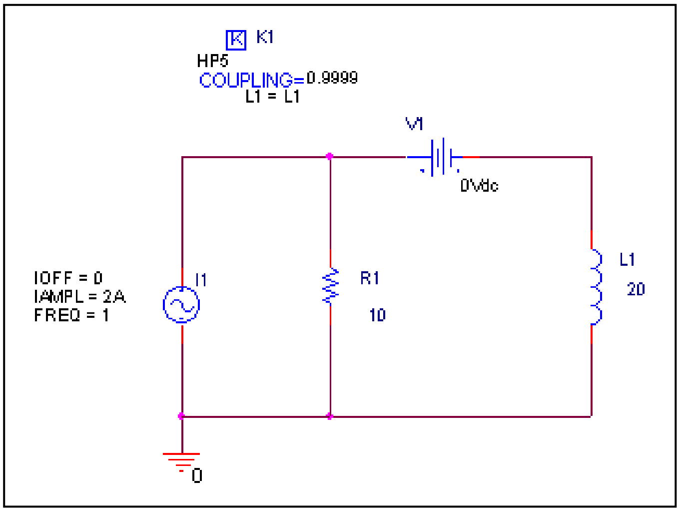
Bee Technologies Inc.

MAGNETIC CORE

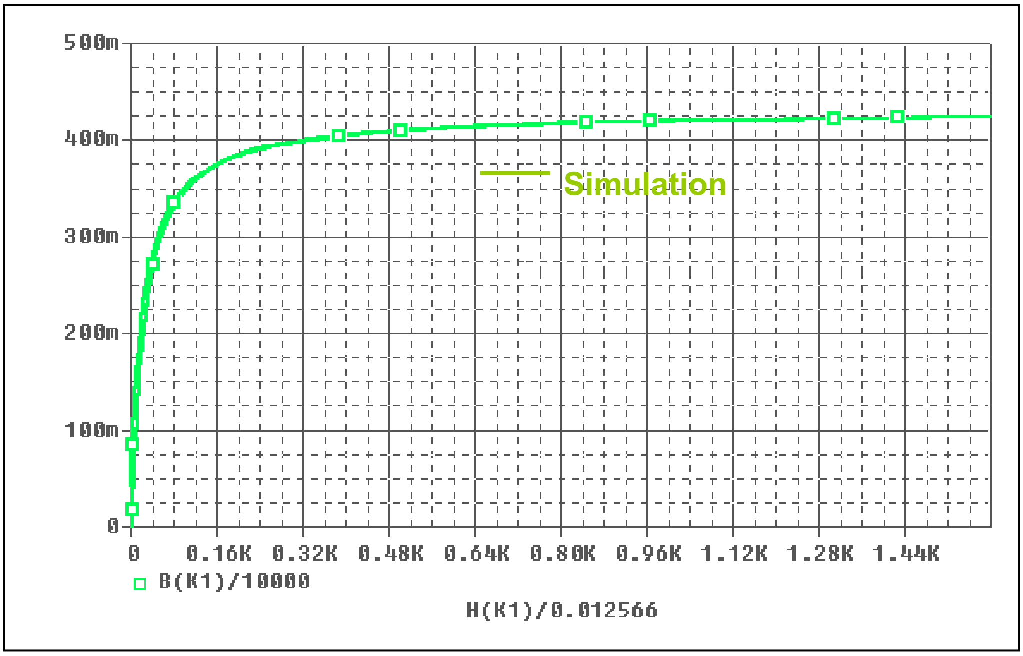
Pspice model parameter	Model description
A	thermal energy parameter
K	domain anisotropy parameter
C	domain flexing parameter
MS	magnetization saturation

Hysteresis Curve Characteristics

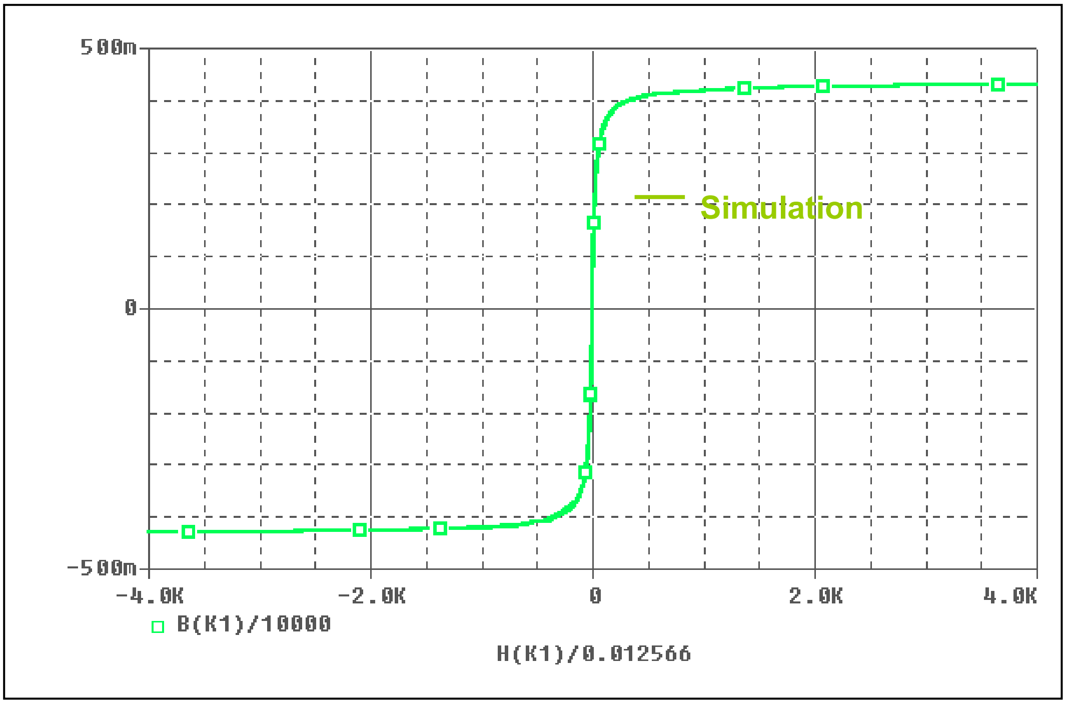
Evaluation Circuit



Simulation result



Simulation result



Comparison Table

H(A/m)	B(mT) Measurement	B(mT) Simulation	%Error
160	385	374.026	2.850
320	405	399.829	1.277
480	410	408.868	0.276
640	412	413.77	0.430
800	415	417.124	0.512
960	420	419.24	0.181
1120	422	420.857	0.271
1280	425	422.176	0.664