

SPICE PARAMETER
EMH3

by ROHM TR Div.

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* EMH3 DIGITAL NPN BJT model
* Date: 2007/01/11
* BJT with a resistor
*****C B E
.SUBCKT EMH3 1 2 3
R1 2 Base Rb 4.7k
Q1 1 Base 3 QDTC1
.MODEL Rb RES
+ R=1
.MODEL QDTC1 NPN
+ IS=20.000E-15
+ BF=198.80
+ VAF=15
+ IKF=.28787
+ ISE=20.001E-15
+ NE=1.6289
+ BR=8.4556
+ VAR=100
+ IKR=.2645
+ ISC=8.0686E-12
+ NC=2.3678
+ NK=.75224
+ RE=.2
+ RB=10.670
+ RC=1.1274
+ CJE=11.342E-12
+ MJE=.38289
+ CJC=4.0230E-12
+ MJC=.34629
+ TF=500.00E-12
+ XTF=580.91
+ VTF=195.13
+ ITF=19.351
+ TR=200.00E-9
+ XTB=1.5000
.ENDS EMH3
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