

.MODEL QBF840 NPN(

+ IS = 4.948E-16

+ NF = 0.9871

+ ISE = 1.08E-16

+ NE = 1.26

+ BF = 105.8

+ IKF = 0.08

+ VAF = 125.5

+ NR = 0.999

+ ISC = 2.118E-16

+ NC = 1

+ BR = 2.665

+ IKR = 0.05

+ VAR = 5.34

+ RB = 19.38

+ IRB = 0.0009481

+ RBM = 2.549

+ RE = 0.447

+ RC = 1.9

+ XTB = 0

+ EG = 1.11

+ XTI = 3

+ CJE = 2.171E-12

+ VJE = 0.5956

+ MJE = 0.2307

+ TF = 3.062E-10

+ XTF = 54.94

+ VTF = 1.48

+ ITF = 0.1344

+ PTF = 0

+ CJC = 7.61E-13

+ VJC = 0.3305

+ MJC = 0.2596

+ XCJC = 0.811

+ TR = 5E-08

+ CJS = 0

+ VJS = 0.75

+ MJS = 0.333

+ FC = 0.9221)

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