

.MODEL QBF450 PNP(

+ IS = 8.083E-16

+ NF = 0.9985

+ ISE = 8.858E-16

+ NE = 1.45

+ BF = 114.1

+ IKF = 0.03

+ VAF = 37.65

+ NR = 0.9859

+ ISC = 2.382E-16

+ NC = 1

+ BR = 4.502

+ IKR = 0.00056

+ VAR = 10

+ RB = 1

+ IRB = 1E-06

+ RBM = 0.5

+ RE = 0.8

+ RC = 2.28

+ XTB = 0

+ EG = 1.11

+ XTI = 3

+ CJE = 1.86E-12

+ VJE = 0.6822

+ MJE = 0.2643

+ TF = 1.633E-10

+ XTF = 11.46

+ VTF = 1.864

+ ITF = 0.07408

+ PTF = 0

+ CJC = 1.19E-12

+ VJC = 0.6482

+ MJC = 0.3185

+ XCJC = 0.828

+ TR = 1E-32

+ CJS = 0

+ VJS = 0.75

+ MJS = 0.333

+ FC = 0.9297)

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