

.MODEL QBF472 PNP(

+ IS = 9.124E-15
+ NF = 0.9904
+ ISE = 1.672E-15
+ NE = 1.527
+ BF = 198.2
+ IKF = 0.13
+ VAF = 465.9
+ NR = 0.99
+ ISC = 2.139E-13
+ NC = 1.08
+ BR = 1.256
+ IKR = 0.1
+ VAR = 13
+ RB = 5
+ IRB = 1E-06
+ RBM = 0.5
+ RE = 0.635
+ RC = 1.42
+ XTB = 0
+ EG = 1.11
+ XTI = 3
+ CJE = 1.447E-11
+ VJE = 0.8484
+ MJE = 0.3884
+ TF = 1.38E-09
+ XTF = 21.78
+ VTF = 2
+ ITF = 0.065
+ PTF = 0
+ CJC = 8.483E-12
+ VJC = 0.6298
+ MJC = 0.4561
+ XCJC = 0.619
+ TR = 1E-32
+ CJS = 0
+ VJS = 0.75
+ MJS = 0.333
+ XTB = 0
+ XTI = 3
+ EG = 1.11
+ FC = 0.99)
*