

.MODEL QBC857A PNP(

+ IS = 1.17E-14
+ NF = 0.9972
+ ISE = 1.762E-14
+ NE = 1.661
+ BF = 161.3
+ IKF = 0.15
+ VAF = 59.62
+ NR = 0.9967
+ ISC = 1.506E-13
+ NC = 1.32
+ BR = 6.78
+ IKR = 0.048
+ VAR = 15.4
+ RB = 10
+ IRB = 5E-06
+ RBM = 5
+ RE = 0.689
+ RC = 0.61
+ XTB = 0
+ EG = 1.11
+ XTI = 3
+ CJE = 1.325E-11
+ VJE = 0.8514
+ MJE = 0.3999
+ TF = 8.333E-10
+ XTF = 2.41
+ VTF = 6.262
+ ITF = 0.097
+ PTF = 0
+ CJC = 6.396E-12
+ VJC = 0.2182
+ MJC = 0.333
+ XCJC = 0.6288
+ TR = 7E-08
+ CJS = 0
+ VJS = 0.75
+ MJS = 0.333
+ XTB = 0
+ XTI = 3
+ EG = 1.11
+ FC = 0.8981)
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