

.MODEL QBC857B PNP(

+ IS = 2.014E-14  
+ NF = 0.9974  
+ ISE = 6.578E-15  
+ NE = 1.45  
+ BF = 315.3  
+ IKF = 0.079  
+ VAF = 39.15  
+ NR = 0.9952  
+ ISC = 1.633E-14  
+ NC = 1.15  
+ BR = 8.68  
+ IKR = 0.09  
+ VAR = 9.5  
+ RB = 10  
+ IRB = 5E-06  
+ RBM = 5E-06  
+ RE = 0.663  
+ RC = 0.718  
+ XTB = 0  
+ EG = 1.11  
+ XTI = 3  
+ CJE = 1.135E-11  
+ VJE = 0.7071  
+ MJE = 0.3808  
+ TF = 6.546E-10  
+ XTF = 5.387  
+ VTF = 6.245  
+ ITF = 0.2108  
+ PTF = 0  
+ CJC = 6.395E-12  
+ VJC = 0.4951  
+ MJC = 0.44  
+ XCJC = 0.6288  
+ TR = 5.5E-08  
+ CJS = 0  
+ VJS = 0.75  
+ MJS = 0.333  
+ XTB = 0  
+ XTI = 3  
+ EG = 1.11  
+ FC = 0.9059  
\*