

.MODEL QBCP69 PNP(

+ IS=2.105E-13  
+ NF=0.9952  
+ ISE=3.766E-15  
+ NE=1.4  
+ BF=281.1  
+ IKF=2.834  
+ VAF=44.23  
+ NR=0.9869  
+ ISC=2.789E-11  
+ NC=2.447  
+ BR=45.67  
+ IKR=0.344  
+ VAR=7.259  
+ RB=1  
+ IRB=1E-06  
+ RBM=1  
+ RE=0.05919  
+ RC=0.0262  
+ XTB=0  
+ EG=1.11  
+ XTI=3  
+ CJE=2.046E-10  
+ VJE=0.8827  
+ MJE=0.448  
+ TF=7.919E-10  
+ XTF=1.397  
+ VTF=2.332  
+ ITF=0.409  
+ PTF=0  
+ CJC=1.378E-10  
+ VJC=0.1427  
+ MJC=0.3018  
+ XCJC=0.508  
+ TR=1E-32  
+ CJS=0  
+ VJS=0.75  
+ MJS=0.333  
+ FC=0.309 )

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