

.MODEL QBC548C NPN(

+ IS=4.679E-14
+ NF=1.01
+ ISE=2.642E-15
+ NE=1.581
+ BF=458.7
+ IKF=0.1371
+ VAF=52.64
+ NR=1.019
+ ISC=2.337E-14
+ NC=1.164
+ BR=11.57
+ IKR=0.1144
+ VAR=364.5
+ RB=1
+ IRB=1E-06
+ RBM=1
+ RE=0.2598
+ RC=1
+ XTB=0
+ EG=1.11
+ XTI=3
+ CJE=1.229E-11
+ VJE=0.5591
+ MJE=0.3385
+ TF=4.689E-10
+ XTF=160
+ VTF=2.828
+ ITF=0.8842
+ PTF=0
+ CJC=4.42E-12
+ VJC=0.1994
+ MJC=0.2782
+ XCJC=0.6193
+ TR=1E-32
+ CJS=0
+ VJS=0.75
+ MJS=0.333
+ FC=0.7936)

*