

.MODEL QBC546B NPN(

+ IS=2.39E-14  
+ NF=1.008  
+ ISE=3.545E-15  
+ NE=1.541  
+ BF=294.3  
+ IKF=0.1357  
+ VAF=63.2  
+ NR=1.004  
+ ISC=6.272E-14  
+ NC=1.243  
+ BR=7.946  
+ IKR=0.1144  
+ VAR=25.9  
+ RB=1  
+ IRB=1E-06  
+ RBM=1  
+ RE=0.4683  
+ RC=0.85  
+ XTB=0  
+ EG=1.11  
+ XTI=3  
+ CJE=1.358E-11  
+ VJE=0.65  
+ MJE=0.3279  
+ TF=4.391E-10  
+ XTF=120  
+ VTF=2.643  
+ ITF=0.7495  
+ PTF=0  
+ CJC=3.728E-12  
+ VJC=0.3997  
+ MJC=0.2955  
+ XCJC=0.6193  
+ TR=1E-32  
+ CJS=0  
+ VJS=0.75  
+ MJS=0.333  
+ XTB=0  
+ XTI=3  
+ EG=1.11  
+ FC=0.9579 )  
\*