

.MODEL QBF824W PNP(

+ IS=2.948E-16  
+ NF=0.99  
+ ISE=1.879E-14  
+ NE=2.469  
+ BF=42  
+ IKF=0.05266  
+ VAF=35  
+ NR=0.9809  
+ ISC=2.21E-15  
+ NC=1.25  
+ BR=1.5  
+ IKR=0.05  
+ VAR=33.62  
+ RB=1  
+ IRB=1E-06  
+ RBM=0.5  
+ RE=0.1038  
+ RC=4.2  
+ XTB=0  
+ EG=1.11  
+ XTI=3  
+ CJE=2.453E-12  
+ VJE=0.7113  
+ MJE=0.3218  
+ TF=2.602E-10  
+ XTF=9.349  
+ VTF=2.773  
+ ITF=0.1748  
+ PTF=0  
+ CJC=3.237E-12  
+ VJC=0.4038  
+ MJC=0.3117  
+ XCJC=0.0464  
+ TR=1E-32  
+ CJS=0  
+ VJS=0.75  
+ MJS=0.333  
+ FC=0.8618)

\*