

.MODEL QBD135-10 NPN(

+ IS = 4.815E-14  
+ NF = 0.9897  
+ ISE = 1.389E-14  
+ NE = 1.6  
+ BF = 124.2  
+ IKF = 1.6  
+ VAF = 222  
+ NR = 0.9895  
+ ISC = 1.295E-13  
+ NC = 1.183  
+ BR = 13.26  
+ IKR = 0.29  
+ VAR = 81.4  
+ RB = 0.5  
+ IRB = 1E-06  
+ RBM = 0.5  
+ RE = 0.165  
+ RC = 0.096  
+ XTB = 0  
+ EG = 1.11  
+ XTI = 3  
+ CJE = 1.243E-10  
+ VJE = 0.7313  
+ MJE = 0.3476  
+ TF = 6.478E-10  
+ XTF = 29  
+ VTF = 2.648  
+ ITF = 3.35  
+ PTF = 0  
+ CJC = 3.04E-11  
+ VJC = 0.5642  
+ MJC = 0.4371  
+ TR = 1E-32  
+ CJS = 0  
+ VJS = 0.75  
+ MJS = 0.333  
+ FC = 0.9359 )  
\*