

.MODEL QBF570 NPN(

+ IS = 1.222E-15  
+ NF = 0.9901  
+ ISE = 3.895E-14  
+ NE = 1.632  
+ BF = 82.01  
+ IKF = 0.196  
+ VAF = 35.3  
+ NR = 0.974  
+ ISC = 1.85E-09  
+ NC = 2.01  
+ BR = 0.1731  
+ IKR = 0.1  
+ VAR = 29.6  
+ RB = 0.5  
+ IRB = 1E-06  
+ RBM = 0.5  
+ RE = 0.612  
+ RC = 1.527  
+ XTB = 0  
+ EG = 1.11  
+ XTI = 3  
+ CJE = 3.411E-12  
+ VJE = 0.7352  
+ MJE = 0.3437  
+ TF = 2.115E-10  
+ XTF = 127  
+ VTF = 2.3  
+ ITF = 1.534  
+ PTF = 0  
+ CJC = 1.605E-12  
+ VJC = 0.198  
+ MJC = 0.1711  
+ XCJC = 0.4  
+ TR = 60E-9  
+ CJS = 0  
+ VJS = 0.75  
+ MJS = 0.333  
+ FC = 0.9399)

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