

.MODEL QBCP56-16 NPN(

+ IS=6.119E-14
+ NF=0.9948
+ ISE=5.844E-15
+ NE=1.469
+ BF=130.4
+ IKF=0.8
+ VAF=54.27
+ NR=0.9905
+ ISC=1.342E-13
+ NC=1.183
+ BR=14.53
+ IKR=0.2049
+ VAR=30
+ RB=0.5
+ IRB=1E-06
+ RBM=0.5
+ RE=0.1114
+ RC=0.082
+ XTB=0
+ EG=1.11
+ XTI=3
+ CJE=1.234E-10
+ VJE=0.6917
+ MJE=0.338
+ TF=6.543E-10
+ XTF=223.8
+ VTF=1.892
+ ITF=10
+ PTF=0
+ CJC=3.49E-11
+ VJC=0.5
+ MJC=0.388
+ XCJC=0.15
+ TR=1E-32
+ CJS=0
+ VJS=0.75
+ MJS=0.333
+ FC=0.9232)

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