

.MODEL ZTX851 NPN IS =1.0085E-12 NF =1.0001 BF =240 IKF=5.1 VAF=158

+ ISE=2E-13 NE =1.38 NR =0.9988 BR =110 IKR=5.5 VAR=46

+ ISC=4.6515E-13 NC =1.334 RB =0.025 RE =0.018 RC =0.015

+ CJC=155E-12 MJC=0.4348 VJC=0.6477 CJE=1.05E-9

+ TF =0.79E-9 TR =24E-9

.Ends

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.MODEL ZTX951 PNP IS=1.3766E-12 NF=1.013 BF=187 IKF=5.0 VAF=66.3

+ISE=1.4E-13 NE=1.41 NR=1.0099 BR=56 IKR=0.9 VAR=33 ISC=1.7E-12

+NC=1.4 RB=0.029 RE=0.020 RC=0.0255 CJC=287E-12 MJC=0.4522

+VJC=0.4956 CJE=1.15E-9 TF=0.83E-9 TR=20E-9

.Ends

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