

.MODEL R6530KNZ NMOS

+ LEVEL=3  
+ L=2.0000E-6  
+ W=1  
+ KP=118.00E-6  
+ RS=10.000E-3  
+ RD=0  
+ VTO=4.6189  
+ RDS=6.5000E6  
+ TOX=2.0000E-6  
+ CGSO=2245p  
+ CGDO=5p  
+ CBD=0  
+ RG=0  
+ N=2  
+ RB=1.0000E-3  
+ GAMMA=2.6  
+ ETA=0.1500E-3  
+ KAPPA=0  
+ NFS=24G

.MODEL R6015KNZ NMOS

+ LEVEL=3  
+ L=2.0000E-6  
+ W=1  
+ KP=29.715E-6  
+ RS=15.800E-3  
+ RD=0  
+ VTO=4.4948  
+ RDS=6.0000E6  
+ TOX=2.0000E-6  
+ CGSO=1000p  
+ CGDO=1.5p  
+ CBD=0  
+ RG=0  
+ N=2  
+ RB=1.0000E-3  
+ GAMMA=2.7  
+ ETA=0.00005  
+ KAPPA=0  
+ NFS=22G

.MODEL DRBR40NS30AFH D

+ IS=1.0341E-6  
+ N=0.8185  
+ RS=3.7552E-3  
+ IKF=141.25E-3  
+ XTI=2.0  
+ EG=0.676  
+ CJO=3.4300E-9  
+ M=0.5308  
+ VJ=0.5031  
+ ISR=16.025E-6  
+ NR=1.2120  
+ BV=30  
+ TRS1=1.8511E-3

.SAVE

+ V(Vout\_+12)  
+ V(Vout\_+5)  
+ V(Vout\_33)  
+ V(Vout\_-5)  
+ V(Vout\_-12)  
+ V(ACin)  
+ V(Lprim)  
+ I(L1)  
+ I(Lsec\_+12)  
+ I(Lsec\_+5)  
+ I(Lsec\_33)  
+ I(Lsec\_-5)  
+ I(Lsec\_-12)  
+ I(ACin)  
+ I(Rload\_1)  
+ I(Rload\_2)  
+ I(Rload\_3)  
+ I(Rload\_4)  
+ I(Rload\_5)  
+ I(dialogbox)

K Lprim Lsec\_+12 Lsec\_-12 Lsec\_+5 Lsec\_-5 Lsec\_33 0.99  
.tran 0 1 0 startup

