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*****
*SRC=ARF473;ARF473;MOSFETs N;Power >100V;APT 500V 10A 0.6ohm Gemini
*SYM=POWMOSN
.SUBCKT ARF473 10 20 30
* use two models as below for the dual part
*   TERMINALS:  D  G  S
M1  1  2  3  3  DMOS L=1U W=1U
RD  10 1  0.284
RS  40 3  16M
RG  20 2  .215
CGS 2  3  1.14N
EGD 12 0  2  1  1
VFB 14 0  0
FFB  2  1  VFB  1
CGD 13 14 173P
R1  13 0  1
D1  12 13  DLIM
DDG 15 14  DCGD
R2  12 15  1
D2  15 0  DLIM
DSD  3 10  DSUB
LS  30 40  1.5N
.MODEL DMOS NMOS (LEVEL=3 VMAX=1.04MEG THETA=45M ETA=2M VT0=4 KP=6.42)
.MODEL DCGD D (CJ0=173P VJ=0.6 M=0.68)
.MODEL DSUB D (IS=41.5N N=1.5 RS=60M BV=500 CJ0=695P VJ=0.8 M=0.42 TT=
500N)
.MODEL DLIM D (IS=100U)
.ENDS
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