

SPICE PARAMETER  
QS5U27

by ROHM TR Div.

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* QS5U27 PMOSFET model
* Date: 2006/09/08
* This model includes a diode between drain and source.
*****D G S
.SUBCKT QS5U27 1 2 3
M1 1 2 3 3 MOS_P
D1 1 3 DREV
.MODEL MOS_P PMOS
+ LEVEL=3
+ L=2.0000E-6
+ W=1
+ KP=13.581E-6
+ RS=10.000E-3
+ RD=.11448
+ VTO=-1.3037
+ RDS=1.0000E6
+ TOX=2.0000E-6
+ CGSO=388.00E-12
+ CGDO=72.201E-12
+ CBD=140.72E-12
+ MJ=1.0859
+ RG=5
+ N=2
+ RB=1.0000E-3
+ GAMMA=0
+ KAPPA=0
+ UO=300
.MODEL DREV D
+ IS=5.7174E-12
+ N=1.1584
+ RS=.15244
+ IKF=.18244
.ENDS QS5U27
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* D_QS5U27 D model (Schottky barrier Diode)
* Date: 2006/07/11
.MODEL D_QS5U27 D
+ IS=8.9861E-6
+ N=1.0353
+ RS=.10982
+ IKF=3.2196
+ XTI=2
+ EG=.69
+ CJO=114.54E-12
+ M=.40078
+ VJ=.3905
+ ISR=5.0228E-6
+ TT=22.937E-9
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