

SPICE Model



MAVR-011020-14110 rev B March 12, 2021

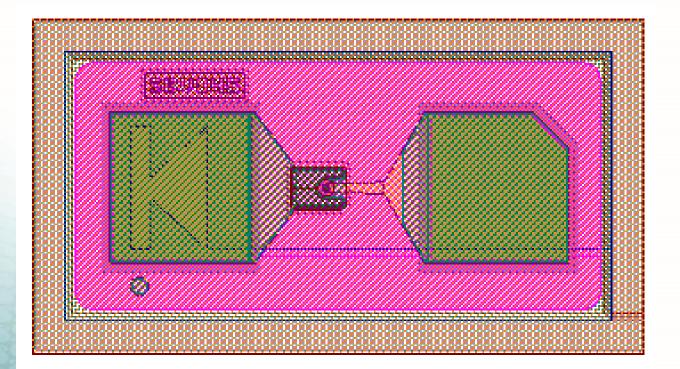
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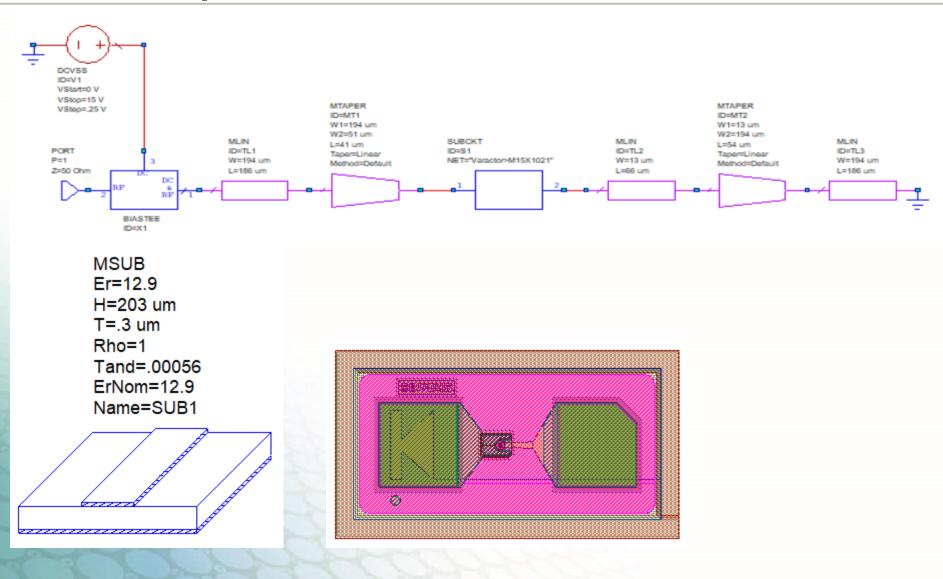
- Outline Drawing
- Package
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 - CV Curve

Outline Drawing





Package Microstrip Transmission Lines

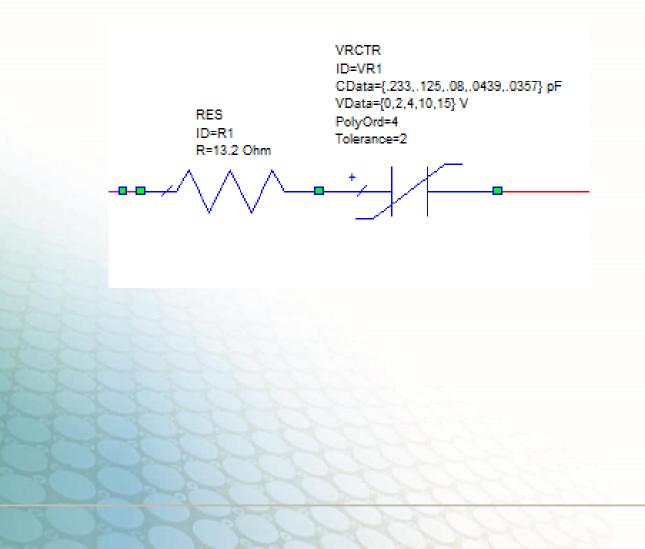


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Diode Model A



Use 4th order polynomial to model non-linear capacitance



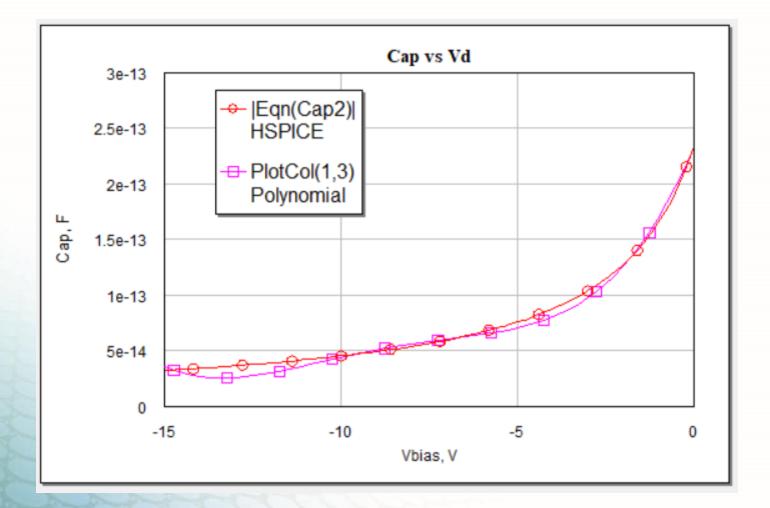
Diode Model B, HSPICE/Netlist

```
DIM
  TEMP C
  FREO HZ
   RES OH
  COND /OH
   IND H
  CAP F
   LNG M
  TIME SEC
   ANG DEG
   VOL V
   CUR A
   PWR DBM
CKT
SDIODE 1 2 ID="D1" IS=1e-14 RS=13.2 N=2 TT=3e-09 CJ0=2.33e-13 &
   VJ=2.4 M=1 EG=1.42 XTI=3 KF=0 AF=1 FC=0.5 BV=20 &
   IBV=1e-05 IKF=0 FFE=1
DEF2P 1 2 "MAVR 011020 1"
```

ΜΛΟΜ

CV Curve





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