



Diode_Model

DIODEM1

Is=1.00e-14

Bv=0

Vjsw=

Rs=0

Ibv=1e-3

Fcsw=

Gleak=

Nbv=1

AllowScaling=no

N=1

Ibv=0

Tnom=27

Tt=0

Nbv=1

Trise=

Cd=

Kf=0

Xti=3

Cjo=13 pF

Af=1

Eg=1.1

Vj=14

Ffe=1

AllParams=

M=6

Jsw=

Fc=0.5

Rsw=

Imax=

Gleaksw=

Imelt=

Ns=

Isr=0

lkp=

Nr=2

Cjsw=

Ikf=0

Msw=

NETLIST INCLUDE

muRataLibWeb_Include
muRataLibWeb

Infineon Include RF

Infineon_Include_RF
Infineon_Include_RF

HARMONIC BALANCE

HarmonicBalance

HB1

Freq[1]=2 GHz

Order[1]=9

SWEEP PLAN

SweepPlan

SwpPlan1

Start=100 Stop=1e7 Dec=5 Log=

UseSweepPlan=

SweepPlan=

Reverse=no



TRANSIENT

Tran

Tran1

StopTime=100.0 nsec

MaxTimeStep=10 psec

ImpMaxFreq=20 GHz

Coilcraft 0906-3

R

R4

R=0 Ohm

C

C1

C=0.0720 pF

R

R5

R=0.0968 Ohm

TLIN

TL1

Z=130.5 Ohm

E=37.8

F=5479 MHz

GJM15

C7

PartNumber=GJM1555C1H2R3BB01

Diode

DIODE1

Model=DIODEM1

Area=

Periph=

Scale=

Region=

Temp=

Trise=

Mode=nonlinear

SMV1281-079LF

V_DC
SRC2
Vdc=Vtune V

VAR
VAR1
Vtune=6.8 {t}

R

R9

R=1.7 Ohm

C

C10

C=0.62 pF

L

L2

L=0.7 nH

R=

R

R2

R=6.8 kOhm

R

R7

R=0.000184*sqrt(2.4e9)

L

L1

L=101 nH

R=

R

R3

R=6.8 kOhm

Coilcraft 0805HT-R10

GQM18

C5

PartNumber=GQM1875C2E101JB12

L_Probe

L_Probe1

BFP183W

Q1

GJM15

C9

PartNumber=GJM1555C1H1R5BB01

Vfb

GJM15

C8

PartNumber=GJM1555C1H1R5BB01

GJM15

C7

PartNumber=GJM1555C1H2R3BB01

V_DC

SRC1

Vdc=6 V

Vout

Term

Num=1

Z=50 Ohm