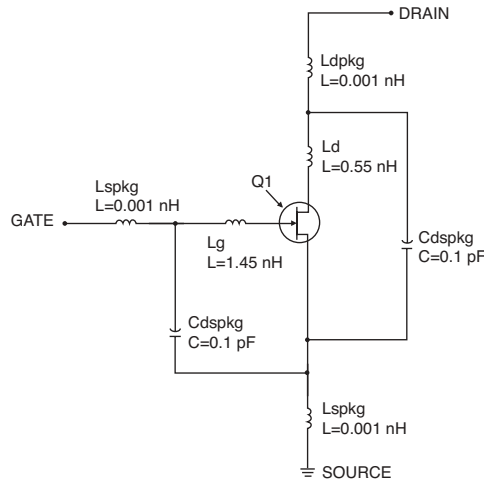


SCHEMATIC



FET NONLINEAR MODEL PARAMETERS (1)

Parameters	Q1	Parameters	Q1
VTO	0.9255	RG	1.0
VTOSC	0	RD	0.2
ALPHA	1.5	RS	0.05
BETA	0.964	RGMET	0
GAMMA	0	KF	0
GAMMADC ⁽²⁾	0.002	AF	1
Q	1.5	TNOM	27
DELTA	0	XTI	3
VBI	0.6	EG	1.43
IS	1e-16	VTOTC	0
N	1	BETATCE	0
RIS	0	FFE	1
RID	0		
TAU	30e-12		
CDS	0.2e-12		
RDB	60		
CBS	100e-12		
CGSO ⁽³⁾	14e-12		
CGDO ⁽⁴⁾	1.1e-12		
DELTA1	0.3		
DELTA2	0.2		
FC	0.5		
VBR	Infinity		

UNITS

Parameter	Units
capacitance	picofarads
inductance	nanohenries
resistance	ohms

MODEL RANGE

Frequency: 0.5 to 4 GHz
 Bias: $V_{DS} = 2.2 \text{ V to } 4.6 \text{ V}$, $I_D = 50 \text{ mA to } 350 \text{ mA}$
 Date: 6/02/2003

(1) Series IV Libra TOM Model

The parameter in Libra corresponds to the parameter in PSpice:

- | | |
|-------------|-------|
| (2) GAMMADC | GAMMA |
| (3) CGSO | CGS |
| (4) CGDO | CGD |