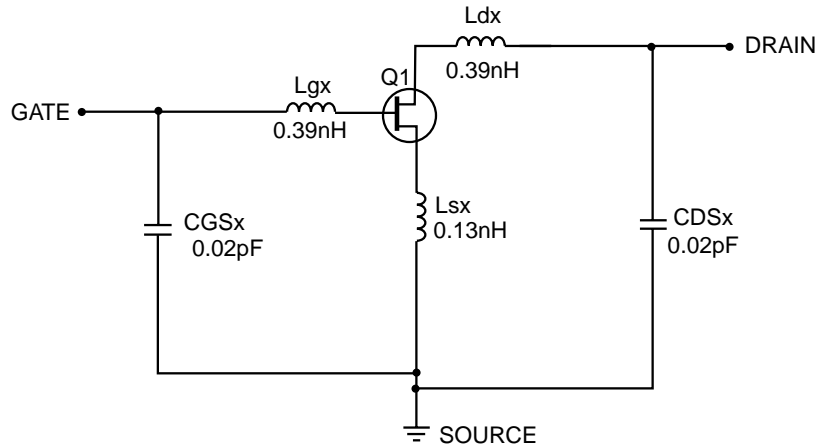


SCHEMATIC



FET NONLINEAR MODEL PARAMETERS ⁽¹⁾

Parameters	Q1	Parameters	Q1
VTO	-0.774	RG	3
VTOSC	0	RD	3
ALPHA	8	RS	3
BETA	0.102	RGMET	0
GAMMA	0.085	KF	0
GAMMADC	0.08	AF	1
Q	2.5	TNOM	27
DELTA	0.8	XTI	3
VBI	0.6	EG	1.43
IS	1e-14	VTOTC	0
N	1	BETATCE	0
RIS	0	FFE	1
RID	0		
TAU	2e-12		
CDS	0.08e-12		
RDB	5000		
CBS	1e-9		
CGSO	0.21e-12		
CGDO	0.025e-12		
DELTA1	0.3		
DELTA2	0.2		
FC	0.5		
VBR	Infinity		

UNITS

Parameter	Units
time	seconds
capacitance	farads
inductance	henries
resistance	ohms
voltage	volts
current	amps

MODEL RANGE

Frequency: 2 to 28 GHz
 Bias: $V_{DS} = 1\text{ V to }3\text{ V}$, $I_D = 1\text{ mA to }30\text{ mA}$
 Date: 10/99

(1) Series IV Libra TOM Model