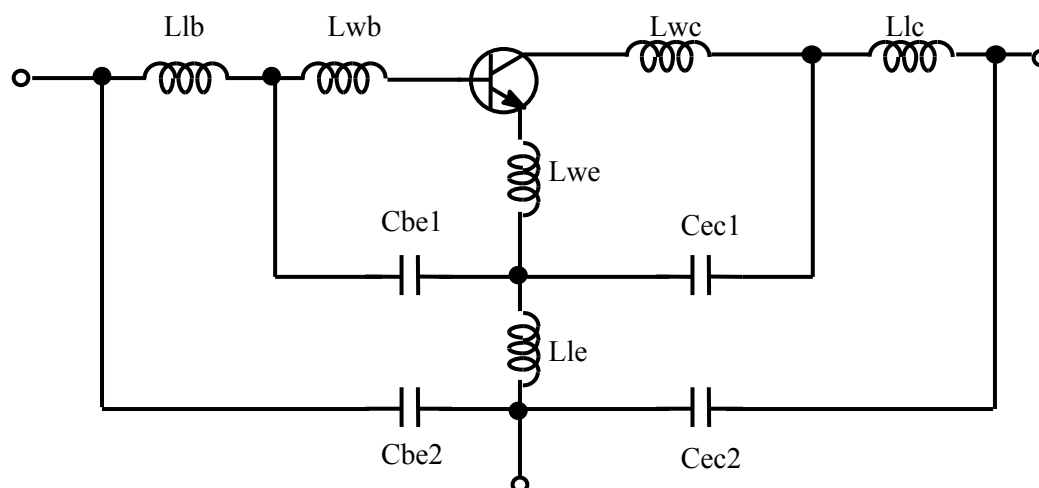


**MCH4009****SPICE PARAMETERS**

(Freq=9~15GHz)

ON Semiconductor®**HIGH-FREQUENCY TRANSISTOR****model : Gummel-Poon**

Parameter	Value	Unit	Parameter	Value	Unit
IS	38.78a	A	TF	5.398p	S
BF	107.6		XTF	11.00f	
NF	1.002		VTF	81.1	V
VAF	34.79	V	ITF	1.55	A
IKF	199.6m	A	PTF	32	deg
ISE	138.1f	A	CJC	214.0f	F
NE	2.5		VJC	111.7m	V
BR	1.5		MJC	118.0m	
NR	1.05		XCJC	833.8m	
VAR	200	V	TR	50.00p	S
IKR	20.00m	A	FC	8.105m	
ISC	0	A	CJS	123.2f	F
NC	2		VJS	140.0f	V
RB	8.5	ohm	MJS	150	
IRB	143.2u	A	Lwb	670P	H
RBM	1.584	ohm	Llb	0.75P	H
RE	1.022	ohm	Lwe	45.0P	H
RC	3.675	ohm	Lle	172.5P	H
XTB	0		Lwc	327P	H
EG	1.11	eV	Llc	620P	H
XTI	3		Cec1	148f	F
CJE	250.0f	F	Cec2	86.5f	F
VJE	23.00m	V	Cbe1	36.5f	F
MJE	21.60m		Cbe2	77f	F



*Information (including circuit diagrams and circuit parameters) herein is for example only ;